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TRENDS in FORAGE CROPS VARIETIES



VARIETY TRENDS IN FORAGE CROPS 1960 ^{1/}

Purpose

For many of the small seeded grasses and legumes, it is desirable to produce seed in one region for use in another. To do this seed producers and distributors need to know the amount and kind of seed to produce. This study shows where the principal forage crops are grown, the acreage of each-by variety-and current trends. It also provides visual aids in the form of tables and charts as a ready reference for all concerned with the production and distribution of forage crops seed.

How Information was Obtained

State extension agronomists assumed leadership in drawing together the information from such sources as the State Crop Improvement Associations, the State seed enforcement office, key seed dealers, Federal-State agricultural statisticians and fellow staff members. The expected trend and rate of change are practical expressions of judgment. This judgment is based on the knowledge of the performance of different varieties in the State test plots together with sound ideas of how readily farmers in the State will change to improved varieties once seed is available at realistic prices.

To obtain uniformity of expression throughout the four regions with respect to rate of change the following guidelines were suggested:

Slight - under 10 percent

Moderate - 10-20 percent

Sharp - over 20 percent

How Data Were Summarized

Tables were prepared by States, regions and nationally. Charts were prepared to show the national acreage, varietal trends and crop acreage distribution by regions.

Information shown on tables include:

Acreage of principal forage crops-by variety-by States

Acreage by variety and expected trend of each variety by regions

Acreage by variety and expected trend-United States

^{1/} This study was compiled by J. M. Saunders, extension agronomist, Agricultural Programs Division, United States Department of Agriculture. State extension agronomists in collaboration with research, industry and other organizations concerned with forage crops, supplied the information for the publication.

How Data Were Summarized (continued)

Charts were prepared to show:

Percent each variety represents of the national acreage

The national trend whether up or down and the expected rate of change

Percent of the crop grown in each of the four regions

Symbols and abbreviations used:

1. Symbols of trends:

<u>A. Rate of Increase</u>		<u>B. Rate of Decrease</u>	
Stationary	1.0	Stationary	1.0
Slight change	1.1	Slight change	0.9
Moderate change	1.2	Moderate change	0.8
Sharp change	1.3	Sharp change	0.7

e.g. 1.2 is a moderate uptrend and 0.8 indicates a moderate downtrend.

2. * = less than 2% of total acreage.

In the use of this material it should be recognized that the acreages reported by varieties are estimates. However, this is, to the best of our knowledge, the most accurate varietal breakdown available.

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1/ Recommendations and trends reported without acreage

Table 1. (cont.) Alfalfa: Acreage by Varieties and States, North Eastern, North Central Southern and Western Regions 1960

VARIETY	Southern Region		Ga.	Ky.	La.	Miss.	N.C.	Okla.	S.C.	Tenn.	Tex.	Va.	Total for Region
	Ala.	Ark.											
	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres
Common	10.0		22.0	70.0	12.0	10.0	38.0		10.0	106.0	175.0	100.0	553.0
Buffalo	11.0	48.0	10.0	80.0	4.0	4.5	1.0			106.0	10.0	34.0	308.5
Atlantic	1.0		12.0	80.0		3.0	33.0		3.0	10.0		40.0	182.0
Williamsburg	1.0			15.0		2.0	3.5			8.0		85.0	117.5
DuPuits				30.0			2.5			15.0			49.5
Narragansett	0.5		3.0	10.0		4.5	0.1		1.0	5.0		20.0	41.1
Ranger		1.0	0.5	25.0		3.0					4.0		35.5
Hairy Peruvian					1.5						25.0		26.5
Vernal		0.5		15.0									15.5
Lahonton		2.0									10.0		12.0
Okla. Approved		9.0											9.0
Indian											7.0		7.0
African											6.0		6.0
Rhizoma				5.0									5.0
All Others				3.0									3.0
New Mexico 16											1.5		1.5
Total	23.5	60.5	47.5	333.0	19.5	27.0	78.1		16.0	250.0	238.5	279.0	1,372.6
	Western Region		Colo.	Idaho	Mont.	Nev.	N.Mex.	Ore.	Utah	Wash.	Hawaii	Alaska	
	Ariz.	Calif.											
Ranger	16.0	60.0	170.0	147.0	40.0	55.0	20.0	50.0	305.0	90.0			953.0
Common		50.0	200.0	48.7	370.0	5.0	45.0	35.0	95.0	55.0			903.7
Ladak		30.0	150.0	16.5	80.0	0.5		100.0	21.0	200.0			598.0
Lahonton	12.5	425.0	20.0	4.0		60.0	20.0	8.0	19.0				568.5
Moapa	50.0	425.0				1.0							476.0
Grimm		5.0	5.0	6.0	370.0	1.5		10.0	35.0				432.5
Vernal		25.0	20.0	15.0	40.0	2.0		26.0	3.3	150.0			281.3
"Blends"	46.0	50.0	20.0	80.0			4.0						200.0
Buffalo	10.0	2.5	100.0	1.0			2.0		2.4				117.9
African	50.0	50.0											100.0
DuPuits		13.0	15.0	10.0		0.1		40.0	0.5	20.0			98.6
Caliverde		75.0											75.0
Meeker Baltic			50.0										50.0
Cossack					40.0	1.0							41.0
New Mexico 16							29.7						29.7
All Others	25.0			1.0									26.0
New Mexico 11-1							25.0						25.0
Nomad								16.0					16.0
Chillian 21-5	10.0	5.0											15.0
Atlantic		0.6	10.0						0.1				10.7
Talent								10.0				.02	10.0
Narragansett	0.1	2.7		2.0				1.0	0.6				6.4
Hairy Peruvian	0.1	5.0									0.2		5.3
Williamsburg	0.5	1.8											2.3
Rhizoma								2.0					2.0
Rambler		0.9											0.9
Zia	0.3												0.3
Indian											0.1		0.1
Total	220.5	1,226.5	760.0	331.2	940.0	126.1	145.7	298.0	481.9	515.0	0.3		5,045.2

Table 2.

Alfalfa: Acreage, Percentage Distribution by Varieties, and Expected Trend by Regions 1960

Variety	NORTHEASTERN				NORTH CENTRAL				SOUTHERN				WESTERN			
	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend
	1957-59 Average 1/	1960			1957-59 Average 1/	1960			1957-59 Average 1/	1960			1957-59 Average 1/	1960		
	1,000 acres				1,000 acres				1,000 acres				1,000 acres			
Zie					77.0	70.5	*	0.9	5.0	6.0	*	1.2	470.0	100.0	2.0	1.2
African					35.0	29.5	*	0.9	162.0	182.0	13.3	1.0	24.0	10.7	*	0.8
Atlantic	138.0	169.5	6.2	1.0												
Buffalo	241.0	258.9	9.4	0.9	1,688.0	2,061.0	9.2	1.0	223.0	308.5	22.5	1.1	144.0	117.9	2.3	0.9
Caliverde					1.0	1.0	*	1.0					40.0	75.0	1.5	0.9
Chillian 21-5													32.0	15.0	*	0.8
Common	52.0	42.6	1.5	0.8	3,859.0	4,875.0	21.8	0.9	505.0	553.0	40.3	0.9	1,262.0	903.7	17.9	0.8
Coebeck					150.0	351.0	1.4	1.0					38.0	41.0	*	1.1
DuPuite	216.0	319.9	11.6	1.1	351.0	537.5	2.4	1.1	31.0	49.5	3.6	1.1	72.0	98.6	2.0	1.0
Grimm	23.0	20.5	*	0.9	1,447.0	1,329.5	5.9	0.9					345.0	432.5	8.6	0.8
H. Peruvian									27.0	26.5	1.9	1.0	50.0	5.3	*	1.0
Indian									5.0	7.0	*	1.0	20.0	0.1	*	1.2
Ladak					311.0	702.5	3.1	0.9					508.0	598.0	11.8	1.1
Lahonton						0.5	*	0.9	9.0	12.0	*	1.0	231.0	568.5	11.3	1.1
Meeker Baltic													50.0	50.0	1.0	1.0
Moapa													50.0	476.0	9.4	1.2
Narragansett	329.0	400.2	14.6	1.1	1.0	8.6	*	1.1	34.0	41.1	3.0	1.1	12.0	6.4	*	1.0
New Mex. 11-1													30.0	25.0	*	1.0
New Mex. 16									1.0	1.5	*	1.0	1.0	29.7	*	1.3
Ranger	768.0	723.2	26.3	1.2	7,000.0	7,430.0	33.1	0.9	24.0	35.5	2.6	1.1	1,135.0	953.0	18.8	1.0
Rhizoma						10.0	*		5.0	5.0	*	0.9		2.0	*	1.0
Talent													4.0	10.0	*	1.0
Teton						1.4	*	1.3								
Vernal	153.0	390.4	14.2	1.2	1,659.0	3,126.5	14.0	1.2	1.0	15.5	1.1	1.1	118.0	281.3	5.6	1.2
Williamsburg	60.0	56.5	2.0	1.0					87.0	117.5	8.6	1.1	1.0	2.3	*	1.0
"Blonde"		45.6	1.7	1.0		1,526.0	6.8	1.1						200.0	4.0	1.0
Alfa	15.0	27.0	*	1.2		0.8	*	1.0								
All Others		292.3	10.6	0.9		380.5	1.7	1.3		3.0	*	1.0		26.0		1.0
Cody						0.2	*									
Okla. App.										9.0	*	1.0				
Nomad													15.0	16.0	*	1.1
Rambler														0.9	*	1.1
Total		2,746.6	100			22,442.0	100			1,372.6	100			5,045.2	100	

1/ Average computed by number of years reported

* Less than one percent of total State acreage

Table 3.

Alfalfa: Acreage, Percentage Distribution by Varieties, and Expected Trend United States 1960

Variety	A C R E A G E		Total Acreage	Expected Trend	S T A T E S	
	1957-59 ^{1/}	1960			Reporting	Recommending
	Average		Percent		No.	No.
	1,000 Acres	1,000 Acres				
Ranger	8,927.0	9,141.7	28.6	0.9	34	26
Common	5,678.0	6,374.3	20.0	0.9	31	13
Vernal	1,931.0	3,813.7	12.0	1.2	30	29
Buffalo	2,266.0	2,746.3	8.6	0.9	31	23
Grimm	1,815.0	1,782.5	5.6	0.9	19	5
"Blends"		1,771.6	5.6	1.1		
Ladak	819.0	1,300.5	4.1	1.0	15	14
DuPuits	670.0	1,005.5	3.4	1.1	31	20
Moapa	50.0	746.0	2.3	1.2	3	3
All others		701.8	2.2	1.0		
Lahonton	240.0	581.0	1.8	1.1	11	10
Narragansett	376.0	456.3	1.4	1.1	25	23
Cossack	188.0	392.0	1.2	1.0	5	3
Atlantic	359.0	391.7	1.2	1.0	22	19
African	552.0	176.5	*	0.8	6	4
Williamsburg	148.0	176.3	*	1.1	10	7
Caliverde	41.0	76.0	*	0.9	2	1
Meeker Baltic	50.0	50.0	*	1.0	1	0
Hairy Peruvian	77.0	31.8	*	1.0	6	5
New Mexico 16	2.0	31.2	*	1.3	1	1
Alfa	15.0	27.8	*	1.2	2	0
New Mexico 11-1	30.0	25.0	*	1.0	2	2
Rhizoma	5.0	17.0	*	1.0	3	2
Nomad	15.0	16.0	*	1.1	1	1
Chillian 21-5	32.0	15.0	*	0.8	1	0
Talent	4.0	10.0	*	1.0	2	2
Oklahoma Approved		9.0	*	1.0	1	1
Indian	25.0	7.1	*	1.0	3	2
Teton		1.4	*	1.3	1	1
Rambler		0.9	*	1.1	1	1
Zia		0.3	*	1.2	1	1
Cody		0.2	*	1.3	1	1
Total	24,796.5	31,876.1	100	0.97		

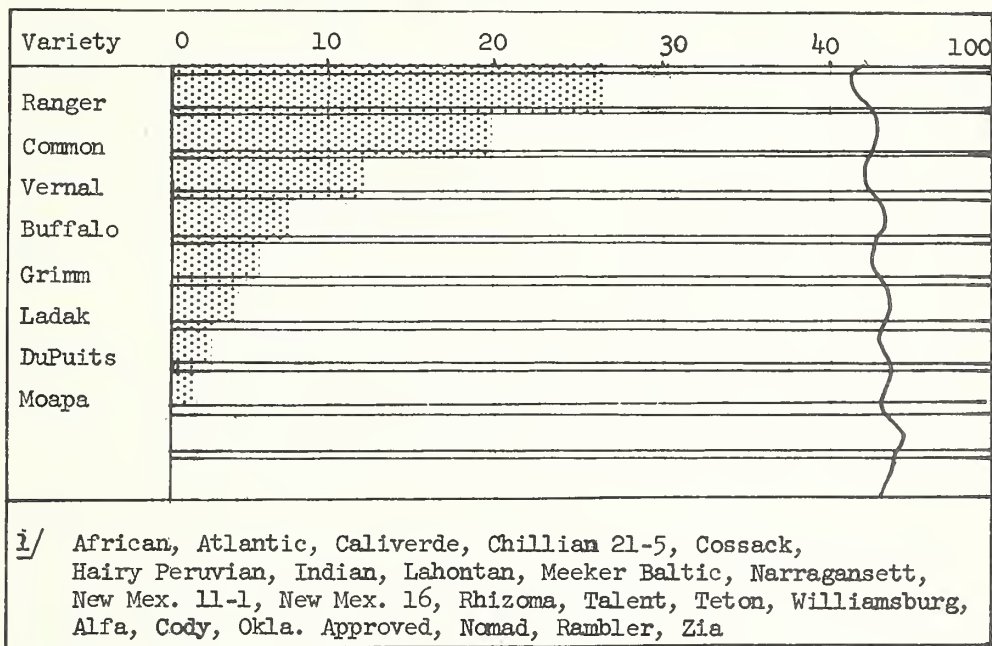
^{1/} Average computed by number of years reported

* Less than 1 percent of total

TRENDS IN FORAGE CROPS VARIETIES

Alfalfa

Percent of National Acreage by Varieties



1/ Varieties constituting less than 2 percent of the national acreage

Percent of National Acreage by Regions

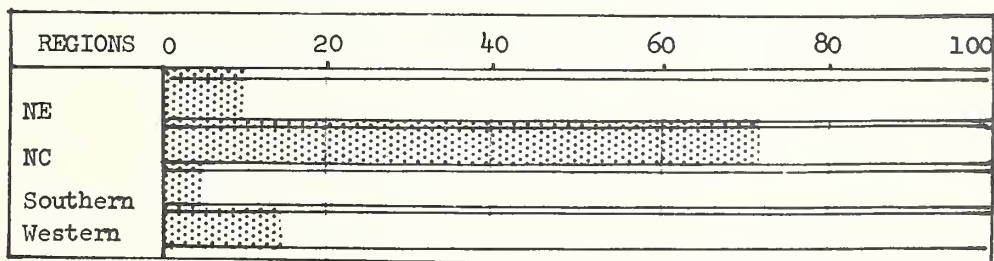


Table 4. Bromegrass: Acreage by Varieties and States, North Eastern, North Central Southern and Western Regions 1960

VARIETY	North Eastern Region:												Total for Region
	Conn.	Del.	Me.	Md.	Mass.	N. H.	N. J.	N. Y.	Pa.	R. I.	Vt. 1/	W. Va.	
	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres
Lincoln	16.0	1.0	10.0	2.5	7.5	18.0	20.0	180.0	45.0	3.0			303.0
Common (So.)	1.0		10.0	3.0			90.0		20.0				124.0
Common (No.)					2.5			80.0					82.5
Saratoga								30.0					30.0
Achenbach				1.0		0.2		2.0					3.2
Fischer						0.2							0.2
Total	17.0	1.0	20.0	6.5	10.0	18.4	110.0	292.0	65.0	3.0			542.9
North Central Region:													
	Ill.	Ind.	Iowa	Kane.	Mich.	Minn.	Mo.	Nebr.	N.Dak.	Ohio	S.Dak.	Wis.	
Common (So.)	350.0					900.0		750.0	100.0	340.0		190.0	2,630.0
Lincoln	325.0		645.0			500.0	15.0	50.0	500.0	200.0		5.0	2,240.0
Common (No.)	100.0					200.0			900.0		210.0	800.0	2,210.0
Achenbach	125.0		5.0	1,200.0			185.0		10.0	40.0	70.0	5.0	1,640.0
Lyon								0.5	0.5		245.0		246.0
Homestead								0.4			105.0		105.4
Elsherry			100.0			2.0				20.0			122.0
Southland				40.0		2.0			11.2				53.2
Fischer						5.0			4.0		35.0		44.0
Lancaster								1.0	1.7		35.0		37.7
Manchar									18.5				18.5
Total	900.0		750.0	1,240.0		1,600.0	209.0	801.5	1,546.3	600.0	700.0	1,000.0	9,346.8
Southern Region:													
	Ala.	Ark.	Ga.	Ky.	La.	Mise.	N.C.	Okla.	S.C.	Tenn.	Tex.	Va.	
Southland		0.5		6.0							1.2		7.7
Achenbach				5.0							2.5		7.5
Common (So.)				5.0									5.0
Lincoln						1.0					0.7		1.7
Chapel Hill						1.0							1.0
Total		0.5		16.0		2.0					4.4		22.9
Western Region:													
	Ariz.	Calif.	Colo.	Idaho	Mont.	Nev.	Ore.	Utah	Wash.	Wyo.	Alaska	Hawaii	
Manchar	0.3	15.0		40.0	1.0	3.0	5.0	6.0	300.0		0.2		370.5
Common (No.)	0.3		30.0	30.0	30.0	2.0	8.0				6.8		107.1
Common (So.)			20.0					66.5					86.5
Lincoln		15.0	40.0	1.0	10.0	2.0	2.0		10.0				80.0
Achenbach			48.0			2.0							50.0
Lyon			10.0										10.0
All Others		10.0											10.0
Blando		5.0											5.0
Southland			1.0										1.0
Lancaster			0.5										0.5
Saratoga			0.5										0.5
Total	0.6	45.0	150.0	71.0	41.0	9.0	15.0	72.5	310.0		7.0		721.0

1/ Recommendation one and trends reported without acreage

Table 5.

Bromegrass: Acreage, Percentage Distribution by Varieties, and Expected Trend by Regions 1960

Variety	NORTHEASTERN				NORTH CENTRAL				SOUTHERN				WESTERN			
	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend
	1957-59 Average 1/	1960			1957-59 Average 1/	1960			1957-59 Average 1/	1960			1957-59 Average 1/	1960		
	1,000 acres				1,000 acres				1,000 acres				1,000 acres			
Lincoln	349.0	303.0	55.8	0.8	2,257.0	2,240.0	23.9	0.8	1.0	1.7	7.4	1.0	57.0	80.0	11.1	1.1
Common (So.)	216.0	124.0	22.8	1.0	2,660.0	2,630.0	28.1	0.9	6.0	5.0	21.8	0.9	138.0	86.5	12.0	1.1
Common (No.)	9.0	82.5	15.2	0.7	1,375.0	2,210.0	23.6	1.0					129.0	107.1	14.8	1.1
Saratoga	15.0	30.0	5.5	0.7										0.5	*	1.1
Achenbach	17.0	3.2	*	0.9	1,764.0	1,640.0	17.5	0.9	5.0	7.5	32.7	1.0	27.0	50.0	6.9	1.0
Fischer	1.0	0.2	*	0.8	112.0	44.0	*	1.0								
Lancaster					21.0	37.7	*	1.0						0.5	*	1.1
Lyon						246.0	2.8	1.0					2.0	10.0	1.4	1.1
Eleberry	2.0				1.0	122.0	1.3	0.8								
Southland					26.0	53.2	*	1.1	4.0	7.7	33.7	1.0	2.0	1.0	*	1.0
Chapel Hill										1.0	4.4	1.0				
Blando													5.0	5.0	*	1.0
Manchar	2.0				4.0	18.5	*	1.0					324.0	370.5	51.4	1.0
All Others														10.0	1.4	1.0
Homestead						105.4	1.0	1.0								
Total	611.0	542.9	100		8,220.0	9,346.8	100		16.0	22.9	100		684.0	721.0	100	
Table 8 Sudan grass: Acreage, Percentage Distribution by Varieties, and Expected Trend by Regions 1960																
Piper	76.0	88.0	79.4	1.1	424.0	407.5	46.9	1.1	46.0	81.5	4.2	1.1	109.0	112.8	34.2	1.0
Common	17.0	8.6	7.8	0.9	38.0	89.9	10.3	0.9	336.0	448.5	23.0	0.9	88.0	73.4	22.2	1.0
Sweet 372	3.0	8.0	7.3	1.0	15.0	3.0	*	1.0	1,223.0	1,266.0	65.0	1.1	42.0	32.5	9.8	0.8
Sweet	5.0	4.0	3.6	1.1	10.0	10.0	1.2	0.9	169.0	113.0	5.8	1.1	46.0			1.1
Tift	3.0	2.1	1.9	1.0	1.0	2.0	*	1.0	71.0	21.5	1.1	1.0	10.0	15.1	4.6	1.0
Greenleaf					156.0	228.1	26.3	1.1	7.0	17.5	*	1.2	6.0	13.1	4.0	1.0
Lahoma					6.0	3.0	*	0.8						0.5	*	0.9
Wheeler					161.0	125.0	14.4	1.0	4.0				63.0	50.0	15.1	1.0
Sudan 23													60.0	30.0	9.1	0.8
Sweet S-1						10.0								2.5	*	1.0
Total	104.0	110.7	100		811.0	868.5	100		1,856.0	1,948.0	100		424.0	329.9	100	

1/ Average computed by number of years reported

* Less than 1 percent total acreage

Table 6. Bromegrass: Acreage, Percentage Distribution by Varieties, and Expected Trend United States 1960

Variety	A C R E A G E		Total Acreage	Expected Trend	S T A T E S	
	1957-59 ^{1/}	1960			Reporting	Recommending
	Average		Percent		No.	No.
	1,000 Acres	1,000 Acres				
Common (So.)	3,020.0	2,928.0	28.0	1.0	14	7
Lincoln	2,564.0	2,622.7	25.1	0.8	26	24
Common (No.)	1,513.0	2,391.6	22.9	0.8	14	6
Achenbach	1,813.0	1,700.7	16.3	0.9	15	12
Manchar	330.0	384.0	3.7	1.0	9	9
Elsberry	3.0	122.0	1.2	0.8	2	2
Homestead		105.0	1.0	1.0	2	2
Southland	32.0	61.9	*	1.1	7	6
Fischer	113.0	44.2	*	1.0	5	4
Lancaster	21.0	38.2	*	1.0	5	4
Saratoga	15.0	35.0	*	0.8	2	1
Lyon	248.0	12.8	*	1.1	3	3
Blando	5.0	5.0	*	1.0	1	1
Chapel Hill		1.0	*	1.0	1	1
Total	9,777.0	10,452.1	100			

Table 9. Sudangrass: Acreage, Percentage Distribution by Varieties, and Expected Trend United States 1960

Sweet 372	1,283.0	1,309.5	40.3	1.1	12	7
Piper	655.0	689.8	21.2	1.1	33	33
Common	479.0	620.4	19.1	0.9	27	13
Greenleaf	169.0	258.7	7.9	1.1	15	13
Wheeler	224.0	175.0	5.4	1.0	3	3
Sweet	230.0	127.0	3.9	1.1	7	7
Tift	85.0	40.7	1.2	1.0	12	11
Sudan 23	60.0	30.0	*	0.8	1	1
Lahoma	6.0	3.5	*	0.8	3	1
Sweet S-1		2.5	*	1.0	1	1
Total	3,201.0	3,257.1	100			

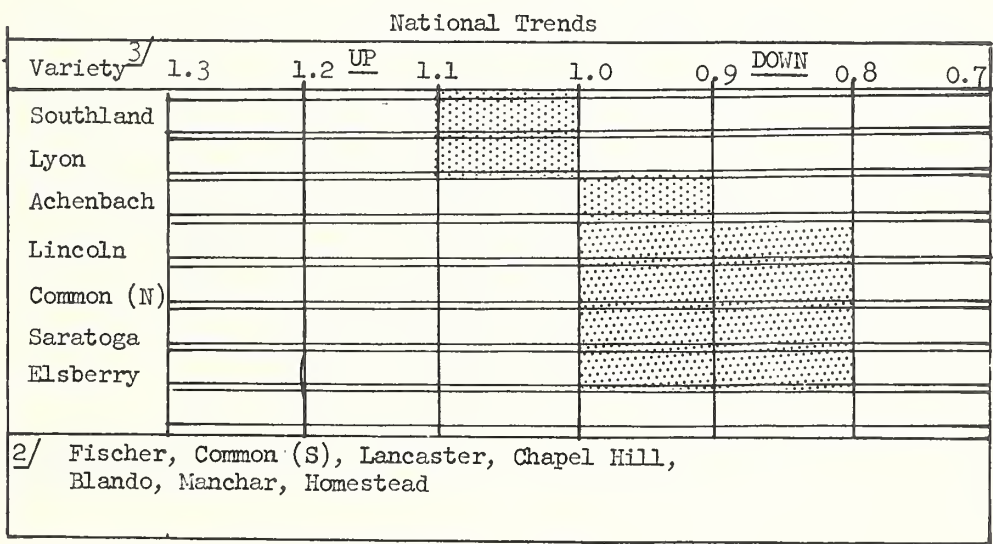
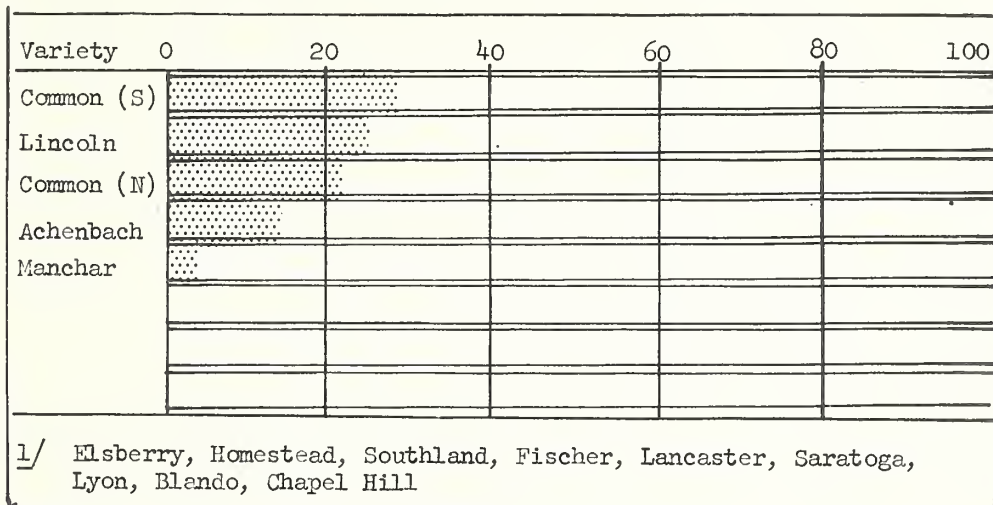
^{1/} Average computed by number of years reported

* Less than 1 percent of total

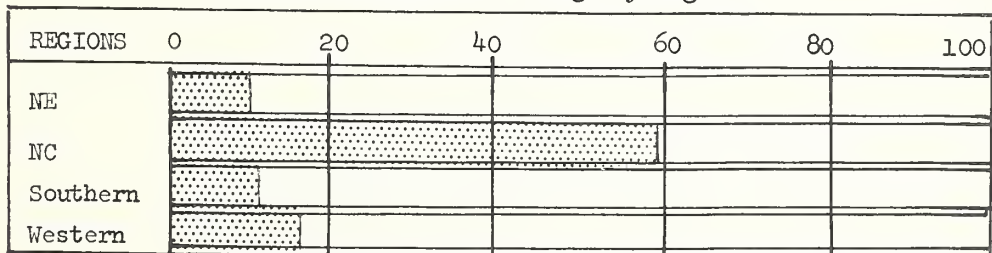
TRENDS IN FORAGE CROPS VARIETIES

Bromegrass

Percent of National Acreage by Varieties



Percent of National Acreage by Regions

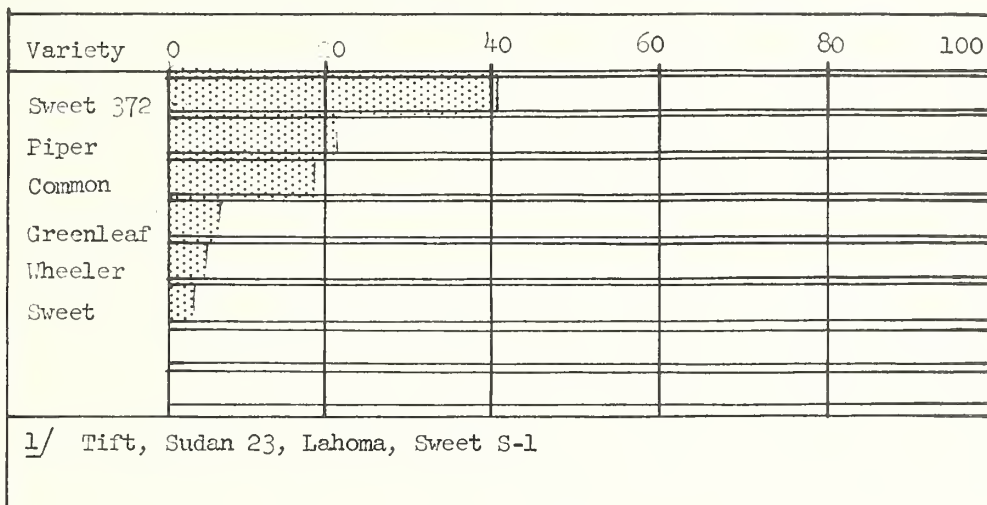


1/ Recommendations and trends reported without acreage

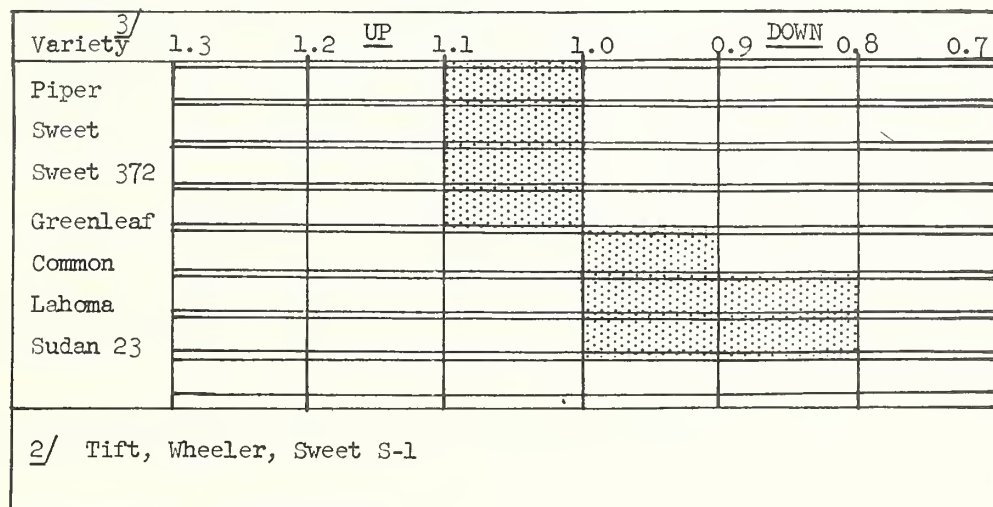
TRENDS IN FORAGE CROPS VARIETIES

Sudangrass

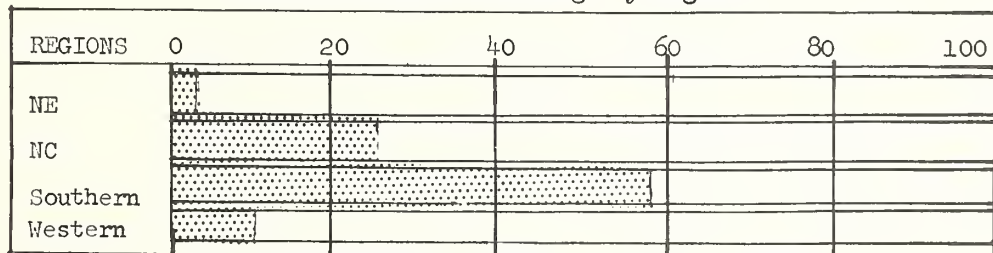
Percent of National Acreage by Varieties



National Trends



Percent of National Acreage by Regions



1/ Recommendations and trends reported without acreage

Table 11.

White Clover: Acreage, Percentage Distribution by Varieties, and Expected Trend by Regions 1960

Variety	NORTHEASTERN				NORTH CENTRAL				SOUTHERN				WESTERN			
	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend
	1957-59 Average 1/	1960			1957-59 Average 1/	1960			1957-59 Average 1/	1960			1957-59 Average 1/	1960		
	1,000 acres				1,000 acres				1,000 acres				1,000 acres			
Ladino	773.0	668.0	94.3	1.0	3,575.0	3,851.0	96.2	0.9	2,382.0	2,466.0	36.4	1.1	597.0	790.7	61.3	1.0
Common	14.0	19.0	2.7	1.1	100.0	153.0	3.8	1.0		1,645.0	24.3	1.1	304.0	317.8	24.7	0.9
Pilgrim	34.0	11.0	1.6	1.1					1.0	2.0	*	0.8	23.0	20.0	1.6	0.9
Oregon Cert.		10.5	1.4	1.1												
All others						1.0		1.0		500.0	7.4	0.8		94.7	7.4	1.0
Alalu									45.0	50.0	*	0.8				
La. S-1									275.0	188.0	2.7	1.2				
La. White									922.0	1,868.0	27.5	0.9				
Nolin's									125.0	51.0	*	1.2				
New Zealand														65.0	5.0	1.0
Total		708.5	100			4,005.0	100			6,770.0	100			1,288.2	100	
Table 12. Sweet Clover: Acreage, Percentage Distribution by Varieties, and Expected Trend by Regions 1960																
Biennial Wh.	1.0	1.0	99.0	1.0	133.0	684.2	21.6	0.9		6.0	1.3	0.9	45.0	40.0	15.6	0.9
Common	1.5	0.1	1.0	1.0	1,641.0	995.0	31.4	0.9	63.0	64.5	13.9	1.0	317.0	118.0	46.4	1.0
Evergreen					97.0	58.3	1.8	1.0	5.0	10.0	2.1	1.1				
Madrid					1,300.0	1,265.8	40.0	0.8	21.0	13.5	2.9	1.1	41.0	25.4	10.0	1.0
Rubam					20.0	15.5	*	1.0	211.0	325.0	70.0	1.0	11.0	15.5	6.1	1.0
Goldtop						1.0	*	1.2						0.2	*	1.2
Biennial Y.						65.0	*	1.0					30.0	30.0	11.8	0.9
All Others						70.0	2.3	0.9						9.9	4.0	1.0
Israel										2.5	*	1.1				
M. Indica									6.0	3.0	*	0.8				
Spanish						5.0	*	1.1					23.0	15.0	6.1	0.7
Florana									38.0	40.0	8.6	1.1				
Total	2.5	1.1	100		3,191.0	3,159.8	100		344.0	464.5	100		467.0	254.0	100	
Table 17. Vetch: Acreage, Percentage Distribution by Varieties, and Expected Trend by Regions 1960																
Hairy	10.0	11.2	86.8	1.0	286.2	96.9	1.0	1.0	1,083.0	817.0	78.2	1.1	100.0	95.3	38.3	1.0
Common	4.0	4.0	13.2	1.0	94.0	3.1	1.0	1.0	232.0	108.1	10.3	0.9	55.0	20.7	8.3	1.0
Doark									10.0							
Williamette									59.0	106.0	10.2	1.1	30.0	25.0	10.0	0.9
Wooly Pod									8.0	1.7	*	1.0		5.0	2.0	1.1
Purple									10.0	5.0	*	0.9	85.0	100.0	40.1	1.0
Monantha									1.0							
Lana										1.0	*	1.2	2.0	2.0	*	1.1
Madison													2.0			
Warrior									7.5		*	1.3	1.2			
All Others														1.0	*	1.0
Total		15.2	100			295.2	100			1,046.3	100			249.0	100	

1/ Average computed by number of years reported

* Less than 1% total acreage

Table 12. White Clover: Acreage, Percentage Distribution by Varieties, and Expected Trend United States 1960

Variety	A C R E A G E		Total Acreage	Expected Trend	S T A T E S	
	1957-59 $\frac{1}{2}$	1960			Reporting	Recommending
	Average		Percent		No.	No.
	1,000 Acres	1,000 Acres				
Ladino	7,669.0	7,775.7	60.9	1.1	36	34
Common	4,262.0	2,134.8	16.7	1.0	19	11
Louisiana White	933.0	1,868.0	14.6	0.9	9	9
All others		595.7	4.7	1.0		
Louisiana S-1	275.0	188.0	1.5	1.2	8	8
New Zealand		65.0	*	1.0	2	2
Nolin's	125.0	51.0	*	1.2	2	1
Alalu	45.0	50.0	*	0.8	2	2
Pilgrim	46.0	33.0	*	1.1	5	4
Oregon Cert.		10.5	*	1.1	1	1
Total	13,355.0	12,771.7	100			
Table 15. Sweet Clover: Acreage, Percentage Distribution by Varieties, and Expected Trend United States 1960						
Madrid	1,362.0	1,304.7	33.6	0.8	13	12
Common	3,531.0	1,177.6	30.4	1.0	18	9
Biennial White	185.0	731.2	18.8	0.9	12	9
Hubam	242.0	356.0	9.2	1.0	10	6
Biennial Yellow	30.0	95.0	2.4	1.0	3	1
All others		79.9	2.1	1.0		
Evergreen	102.0	68.3	1.8	1.0	6	5
Florana	38.0	40.0	1.0	1.1	1	1
Spanish	21.3	20.0	*	0.8	2	2
M. Indica	6.0	3.0	*	0.8	2	1
Israel	4.0	2.5	*	1.1	2	2
Goldtop		1.0	*	1.2	4	4
Total	5,521.3	3,879.2	100			

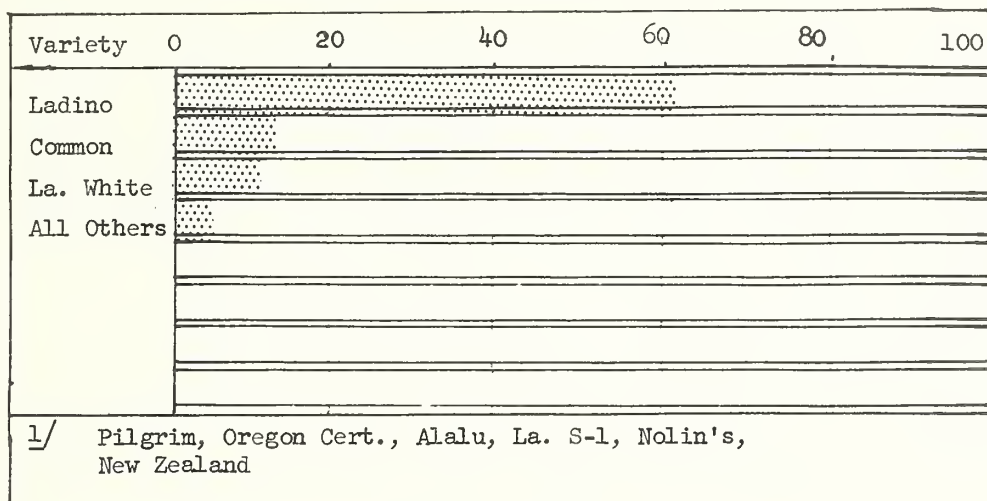
 $\frac{1}{2}$ Average computed by number of years reported

* Less than 1 percent

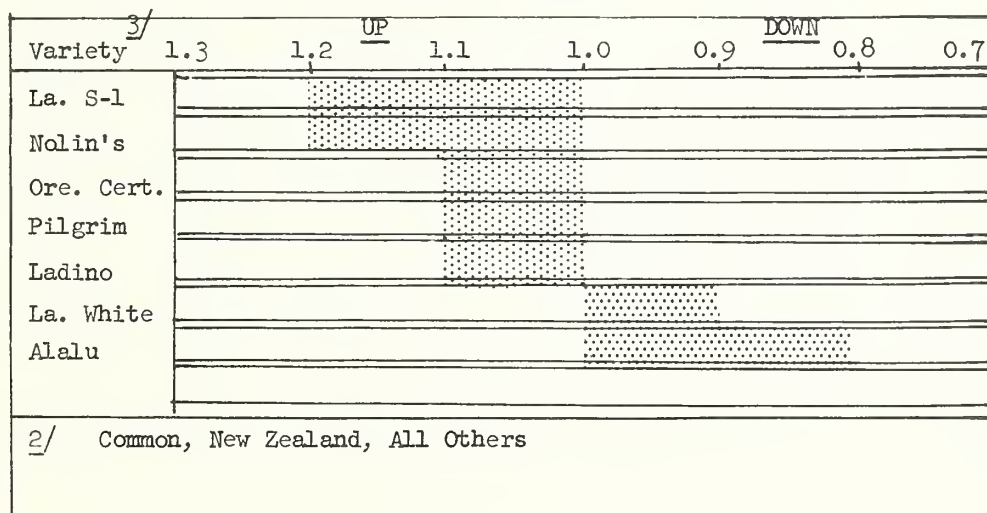
TRENDS IN FORAGE CROPS VARIETIES

White Clover

Percent of National Acreage by Varieties



National Trends



Percent of National Acreage by Regions

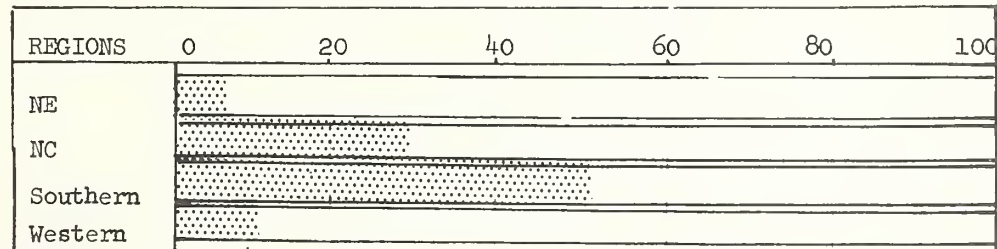


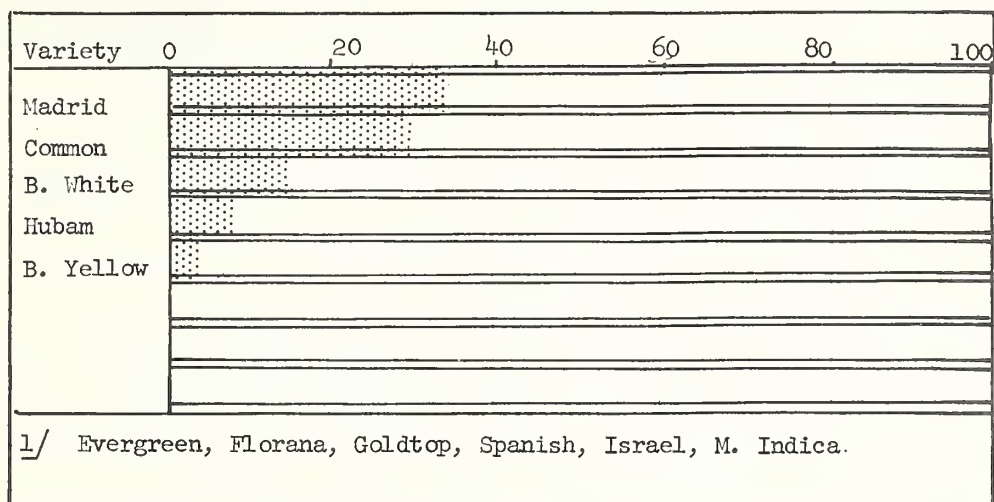
Table 13. Sweet Clover: Acreage by Varieties and States, North Eastern, North Central Southern and Western Regions 1960

VARIETY	North Eastern Region:		Me.	Md.	Mass.	N. H.	N. J.	N. Y.	Pa.	R. I.	Vt.	W. Va.	Total for Region
	Conn.	Del.											
	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres
Biennial White Common				1.0			0.1						1.0
Total				1.0			0.1						1.1
<u>North Central Region:</u>													
	Ill.	Ind.	Iowa	Kans.	Mich.	Minn.	Mo.	Nebr.	N.Dak.	Ohio	S.Dak.	Wis.	
Madrid Common	175.0		85.0 200.0	600.0 50.0	25.0 50.0 5.0	130.0	250.0 150.0		150.0 200.0	5.0 24.0	0.5	0.3	1,265.8 995.0
Biennial White	475.0	100.0									0.2 65.0	9.0	684.2 70.0
All Others											65.0		65.0
Biennial Yellow												0.3	58.3
Evergreen	50.0	1.0							2.0	5.0			15.5
Hubam			15.0								0.5		5.0
Spanish									5.0				0.3
Goldtop									0.3		0.2	0.5	1.0
Total	700.0	101.0	300.0	700.0	80.0	130.0	400.0		357.3	250.0	131.4	10.1	3,159.8
<u>Southern Region:</u>													
	Ala.	Ark.	Ga.	Ky.	La.	Miss.	N.C.	Okla.	S.C.	Tenn.	Tex.	Va.	
Hubam Common		5.0	1.0 3.0		3.0 1.0		1.0 0.5				315.0		325.0 64.5
Florana				60.0							40.0		40.0
Madrid		0.5			0.5						12.5		13.5
Evergreen				10.0									10.0
Biennial White		4.0					2.0						6.0
M. Indica					2.0 1.0						1.0 1.5		3.0 2.5
Israel													
Total		9.5	4.0	70.0	7.5		3.5				370.0		464.5
<u>Western Region:</u>													
	Ariz.	Calif.	Colo.	Idaho	Mont.	Nev.	N.Mex.	Ore.	Utah	Wash.	Wyo.	Hawaii	
Common	0.5		50.0		50.0	5.0			12.5				118.0
Biennial White				40.0									40.0
Biennial Yellow				30.0									30.0
Madrid			20.0						0.4	5.0			25.4
Hubam			10.0						5.5				15.5
Spanish										15.0			15.0
All Others												0.001	9.9
Goldtop			0.2										0.2
M. Indica												0.01	0.2
Total	0.5		80.2	70.0	50.0	5.0			18.4	20.0		9.9	254.0

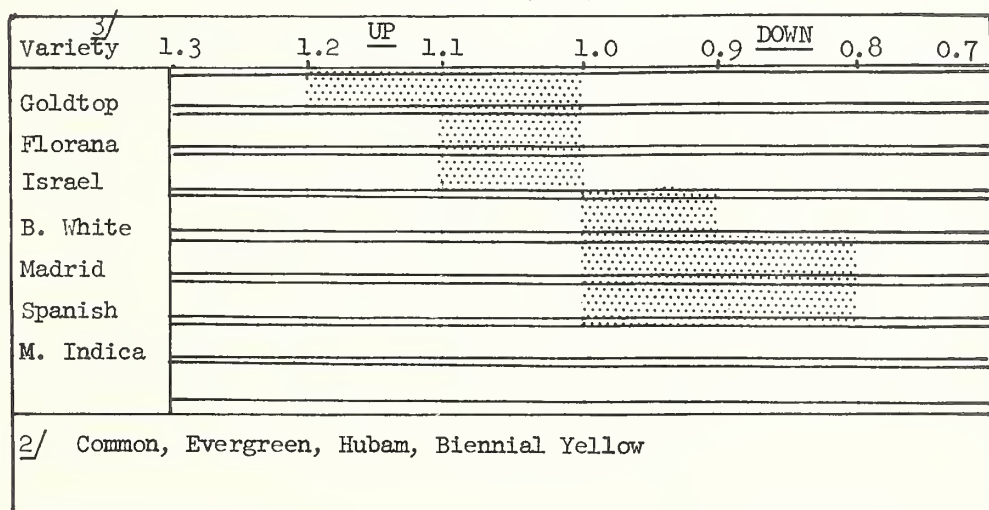
TRENDS IN FORAGE CROPS VARIETIES

Sweet Clover

Percent of National Acreage by Varieties



National Trends



Percent of National Acreage by Regions

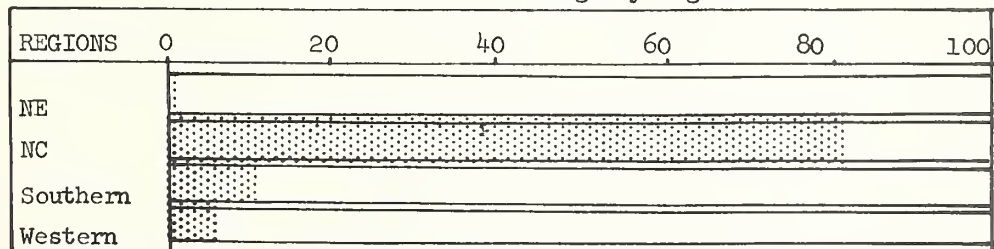


Table 16.

Vetch: Acreage by Varieties and States, North Eastern, North Central Southern and Western Regions 1960

VARIETY	North Eastern Region		Me.	Md.	Mass.	N. H.	N. J.	N. Y.	Pa.	R. I.	Vt.	W. Va.	Total for Region
	Conn.	Del.											
	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres
Hairy Common	0.5	5.0		5.0 1.0	0.5	1.0	2.0			0.2			11.2 4.0
Total	0.5	5.0		6.0	0.5	1.0	2.0			0.2			15.2
	North Central Region												
	Ill.	Ind.	Iowa	Kans.	Mich.	Minn.	Mo.	Nebr.	N.Dak.	Ohio	S.Dak.	Wis.	
Hairy Common				20.0	50.0	2.0	215.0			1.0 7.0	0.2		286.2 9.0
Total				20.0	50.0	2.0	215.0			8.0	0.2		295.2
	Southern Region												
	Ala.	Ark.	Ga.	Ky.	La.	Miss.	N.C.	Okla.	S.C.	Tenn.	Tex.	Va.	
Hairy Common	225.0	140.0	20.0	10.0	50.0	45.0	5.0		2.0	20.0	300.0		817.0
Williamette	10.0	1.0	7.0		10.0		0.1		10.0		70.0		108.1
Warrior	90.0		5.0		5.0						6.0		106.0
Purple	7.5				5.0								7.5
Wooly Pod	1.0										0.7		5.0
Lana											1.0		1.7
Total	333.5	141.0	32.0	10.0	70.0	45.0	5.1		12.0	20.0	377.7		1,046.3
	Western Region												
	Calif.	Colo.	Idaho	Mont.	Nev.	N.Mex.	Ore.	Utah	Wash.	Wyo.	Alaska	Hawaii	
Purple	100.0												100.0
Hairy	5.0	5.0					40.0	0.3	45.0				95.3
Williamette							25.0						25.0
Common	20.0							0.3			0.3	0.1	20.7
Wooly Pod	5.0												5.0
Lana	2.0												2.0
All Others												1.0	1.0
Total	132.0	5.0					65.0	0.6	45.0		0.3	1.1	249.0

Table 18.

Vetch: Acreage, Percentage Distribution by Varieties, and Expected Trend United States 1960

Variety	A C R E A G E		Total Acreage	Expected Trend	S T A T E S	
	1957-59 ^{1/}	1960			Reporting	Recommending
	Average				No.	No.
	1,000 Acres	1,000 Acres	Percent			
Hairy	1,426.0	1,216.4	75.6	1.1	25	22
Common	301.0	139.8	8.7	0.9	14	10
Williamette	75.0	131.0	8.1	1.1	5	5
Purple	90.0	105.0	6.5	1.0	2	2
Warrior	1.2	7.5	*	1.2	1	1
Wooly-Pod	8.0	6.7	*	1.1	3	3
Lana	2.0	3.0	*	1.1	2	2
All others				1.0		
Total	1,903.2	1,609.4	100			
Table 21. Birdsfoot Trefoil: Acreage, Percentage Distribution by Varieties, and Expected Trend United States 1960						
Common	792.0	1,009.3	65.0	1.0	22	12
Empire	262.0	336.7	21.7	1.1	21	17
Viking	40.0	154.4	9.9	1.2	15	11
Cascade	7.0	13.0	*	1.1	2	2
Mansfield	13.0	11.3	*	1.1	9	9
Granger	11.0	10.7	*	1.1	5	3
Douglas	10.0	10.0	*	1.1	1	1
Beaver	6.0	6.0	*	1.0	2	2
Big Trefoil		1.0	*	1.3		
No. Dakota Selection		0.6	*	1.2	1	1
Total	1,141.0	1,553.2	100			

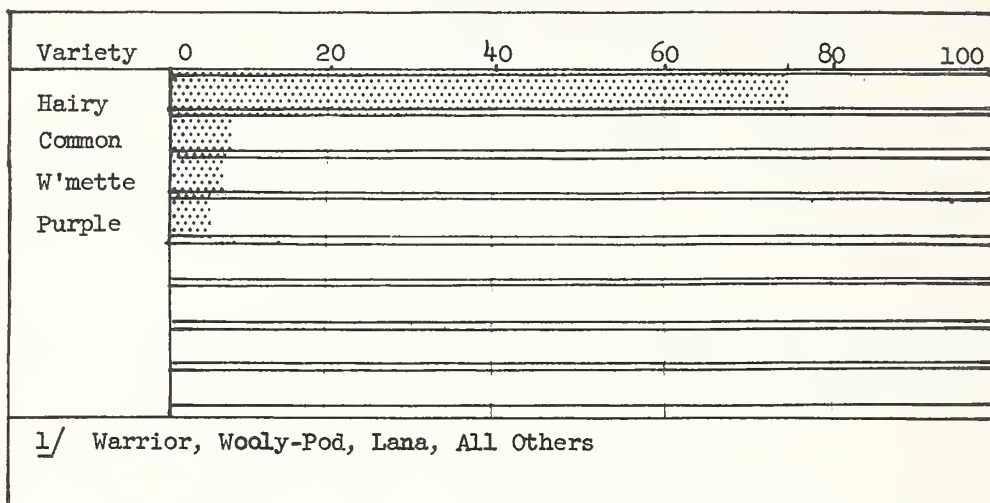
^{1/} Average computed by number of years reported

* Less than 1 percent of total

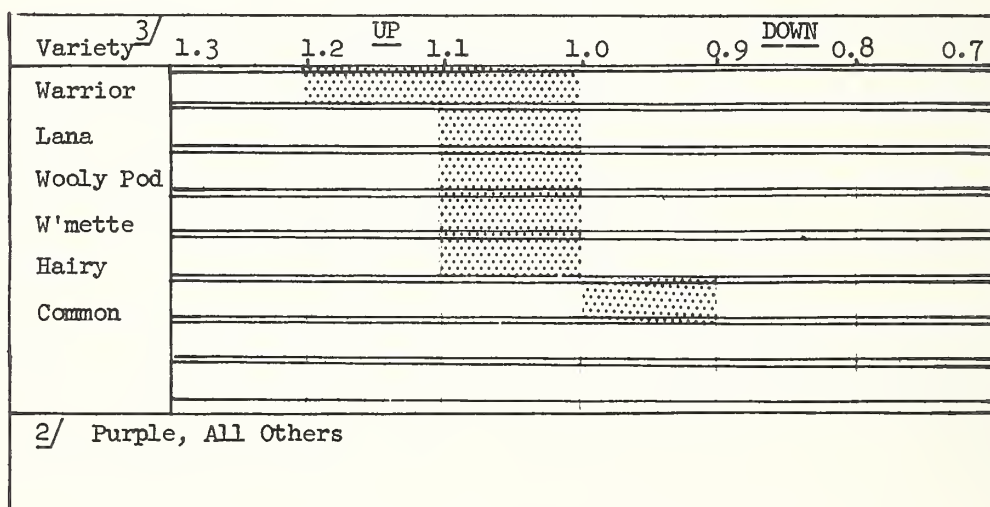
TRENDS IN FORAGE CROPS VARIETIES

Vetch

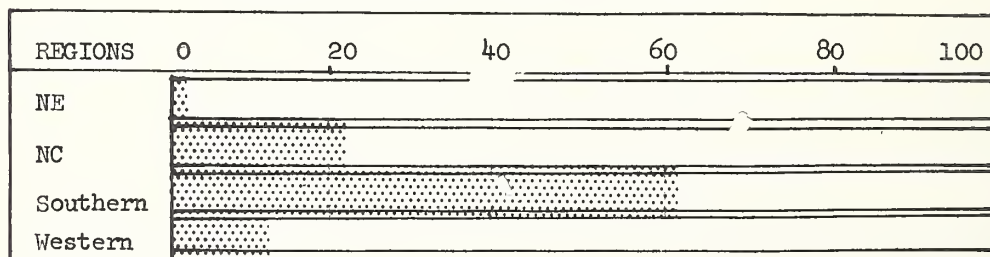
Percent of National Acreage by Varieties



National Trends



Percent of National Acreage by Regions



1/ Recommendations and trends reported without acreage

Table 20. Birdfoot Trefoil: Acreage, Percentaga Distribution by Varieties, and Expected Trend by Regions 1960

Variety	NORTHEASTERN				NORTH CENTRAL				SOUTHERN				WESTERN			
	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend
	1957-59 Average 1/	1960			1957-59 Average 1/	1960			1957-59 Average 1/	1960			1957-59 Average 1/	1960		
	1,000 acres				1,000 acres				1,000 acres				1,000 acres			
Common	323.0	331.7	54.9	0.7	196.0	267.0	55.4	1.2	4.0	6.0	80.1	0.8	269.0	404.6	87.9	1.1
Empire	120.0	141.1	23.3	1.0	133.0	189.6	39.3	1.1		1.0	13.3	0.8	9.0	5.0	1.1	1.0
Mansfield	12.0	11.2	1.8	1.2	1.0									0.1	*	1.0
Viking	35.0	120.5	20.0	1.3	5.0	24.9	5.2	1.1								
N.Dak.																
Selection						0.6	*	1.2								
Granger										1.1	14.7	0.8	11.0	9.6	2.0	1.1
Beaver													6.0	6.0	1.3	1.0
Cascade													7.0	13.0	2.8	1.1
Big Trefoil														1.0	*	1.3
All Others														10.7	2.3	1.0
Douglas													10.0	10.0	2.2	1.1
Broadleaf														0.2	*	1.0
Total	490.0	604.5	100		335.0	482.1	100		4.0	8.1	100		312.0	460.2	100	

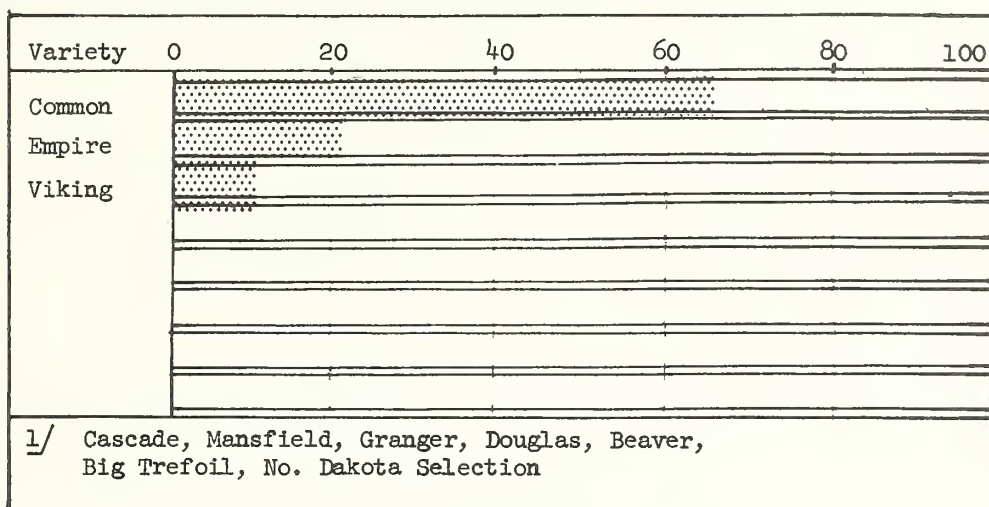
1/ Average computed by number of years reported

* Less than 1% total acreage

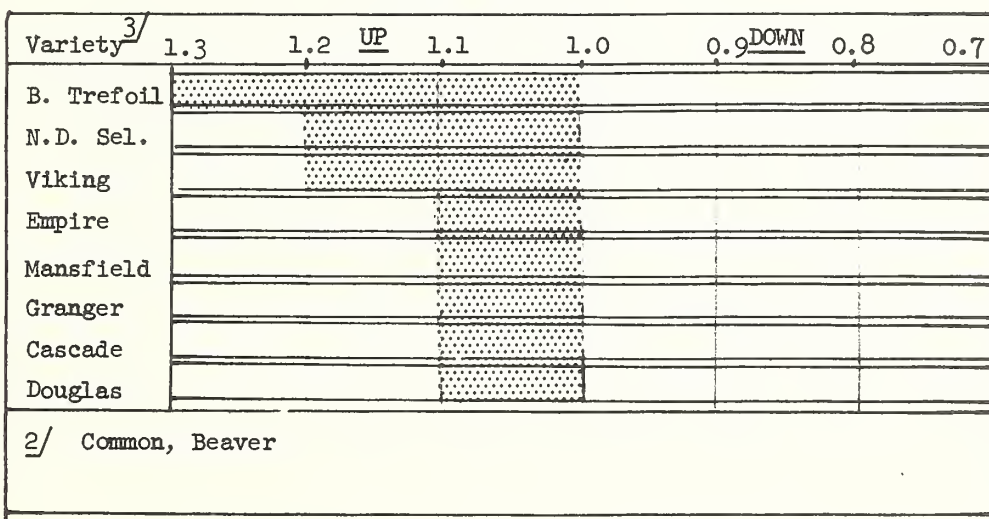
TRENDS IN FORAGE CROPS VARIETIES

Birdsfoot Trefoil

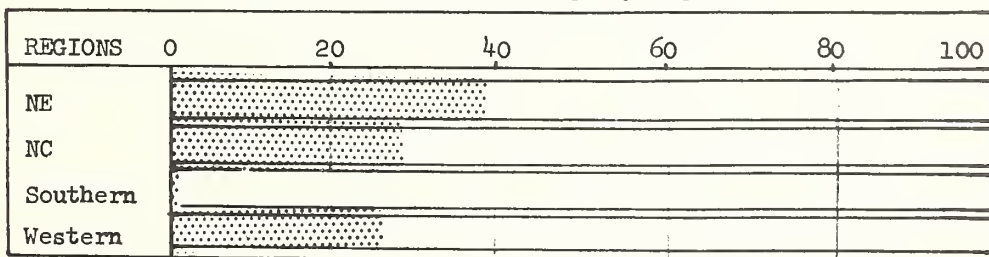
Percent of National Acreage by Varieties



National Trends



Percent of National Acreage by Regions



VARIETY	North Eastern Region:												Total for Region
	Conn.	Del.	Me.	Md.	Mass.	N. H.	N. J.	N. Y.	Pa.	R. I.	Vt. 1/	W. Va.	
	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres
Common S-37	5.8	17.0	0.9	109.0	7.0	1.5	80.0	65.0	85.0	0.3			371.5
Imported Potomac	4.2	3.0	0.1	5.0	1.0	0.2	20.0	5.0		0.4			38.9
Masshardy				10.0									10.0
Late Finnish				1.5	0.2	0.1							1.5
													0.2
													0.1
Total	10.0	20.0	1.0	125.5	8.2	1.8	100.0	70.0	85.0	0.7			422.2
	North Central Region:												
	Ill.	Ind.	Iowa	Kans.	Mich.	Minn.	Mo.	Nebr.	N.Dak.	Ohio	S.Dak.	Wis.	
Common Potomac S-37	425.0	45.0	500.0				310.0	0.9		320.0		20.0	1,620.9
	4.0		5.0				2.0	0.1		5.0			16.1
										15.0			15.0
Total	429.0	45.0	505.0				312.0	1.0		340.0		20.0	1,652.0
	Southern Region:												
	Ala.	Ark.	Ca.	Ky.	La.	Miss.	N.C.	Okla.	S.C.	Tenn.	Tex.	Va.	
Domestic Common	25.0	60.0	10.0	120.0			220.0			200.0		750.0	1,010.0
Danish		60.0		25.0			190.0			50.0			375.0
Potomac		1.0					5.0			0.5			325.0
Ky. Select				2.0									6.5
													2.0
Total	25.0	121.0	10.0	147.0			415.0			250.5		750.0	1,718.5
	Western Region:												
	Ariz.	Calif.	Colo.	Idaho	Mont.	Nev.	N.Mex.	Ore.	Utah	Wash.	Wyo.	Hawaii	
Common Akaroa S-143		1.0	100.0	100.0	4.0	12.0		75.0	102.5	100.0		0.3	494.8
All Others		350.0				2.0		10.0		30.0			392.0
Latar				30.0				10.0		225.0			265.0
Sandia	0.5			3.0		1.0		1.0	0.2	35.0		47.0	47.0
Potomac		40.0					0.3	10.0		10.0			40.7
					2.0	1.0							40.3
													23.0
Total	0.5	391.0	100.0	133.0	6.0	16.0	0.3	106.0	102.7	400.0		47.3	1,302.8
1/ Recommendations and trends reported without acreage													

Table 26.

Wheatgrass: Acreage, Percentage Distribution by Varieties, and Expected Trend by Regions 1960

Variety	NORTHEASTERN				NORTH CENTRAL				SOUTHERN				WESTERN			
	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend
	1957-59 Average 1/	1960			1957-59 Average 1/	1960			1957-59 Average 1/	1960			1957-59 Average 1/	1960		
	1,000 acres				1,000 acres				1,000 acres				1,000 acres			
Amur					0.4	*	1.0						16.0	20.8	1.0	1.1
Nebr. 50					5.0	5.0	*	1.0					10.0	10.0	*	1.0
Tall (98526)					23.0	25.3	1.8	1.1					68.0	84.5	4.1	1.1
Western					157.0	217.0	15.5	1.0	50.0	60.0	100	1.0	97.0	78.4	3.8	1.0
Fairway Cr.					19.0	114.0	8.1	1.2					140.0	145.0	7.1	1.0
Intermediate					12.0	11.0	*	1.1					125.0	196.7	9.7	1.0
Nordan Cr.					116.0	461.0	32.9	1.0					67.0	49.0	2.4	1.2
Pub. Stiffh.						1.1	*	1.0					63.0	67.0	3.3	1.1
Standard Cr.					279.0	440.0	31.4	0.9					1,234.0	1,132.5	55.6	1.1
Slendar					30.0	125.0	18.9	1.0								
Greenar					1.0	0.2	*	1.0					159.0	202.1	9.9	1.1
Ree						0.2	*	1.0								
Siberian													44.0	6.6	*	1.0
Sodar													3.0	3.1	*	1.1
Whitmar					5.0								28.0	26.5	1.3	1.1
Topar													13.0	13.5	*	1.0
Total					647.0	1,400.2	100		50.0	60.0	100		2,067.0	2,035.7	100	
Table 23. Orchardgrass: Acreage, Percentage Distribution by Varieties, and Expected Trend by Regions 1960																
Common	361.0	371.5	88.0	0.9	891.0	1,620.9	98.1	1.1	1,091.0	375.0	21.8	1.0	855.0	494.8	37.9	1.0
S-37	61.0	38.9	9.2	1.0	12.0	15.0	*	1.1								
Late Finnish		0.1	*	1.0												
Potomac	1.0	1.5	*	1.1	3.0	16.1	1.0	1.2	151.0	6.5	*	1.2	15.0	23.0	1.8	1.1
Imported		10.0	2.4	1.1												
Masshardy		0.2	*	1.0												
Danish									257.0	325.0	18.9	0.8				
Ky. Select									2.0	2.0	*	1.1				
Domestic					399.0				427.0	1,010.0	58.8	1.0				
Sandia													27.0	40.3	3.1	1.0
Latar													40.7	3.1	1.2	
S-143	65.0												304.0	265.0	20.3	0.9
All Others													47.0	3.6	1.0	
Akaroa													137.0	392.0	30.1	1.0
Total	488.0	422.2	100		1,305.0	1,652.0	100		1,928.0	1,718.5	100		1,338.0	1,302.8	100	

1/ Average computed by number of years reported

* Less than 1 percent of total acreage

Table 24. Orchardgrass: Acreage, Percentage Distribution by Varieties, and Expected Trend United States 1960

Variety	A C R E A G E		Total Acreage	Expected Trend	S T A T E S	
	1957-59 ^{1/}	1960			Reporting	Recommending
	Average		Percent		No.	No.
	1,000 Acres	1,000 Acres				
Common	3,137.0	2,862.1	57.0	1.0	29	26
Domestic	627.0	1,010.0	20.1	1.0	3	3
Akaroa	137.0	392.0	7.8	1.0	4	4
Danish	256.0	325.0	6.5	0.8	4	2
S-143	34.1	265.0	5.3	0.9	3	3
Potomac	123.0	47.1	*	1.2	13	13
Sandia		43.0	*	1.0	1	1
Latar	16.0	40.7	*	1.2	6	6
S-37	74.0	24.2	*	1.0	10	9
Imported		10.0	*	1.1	1	1
Kentucky Select	2.0	2.0	*	1.1	1	1
Mass - Hardy		0.2	*	1.0	1	1
Late Finnish		0.1	*	1.0	1	1
Total	4,406.1	5,021.4	100			

Table 27. Wheatgrass: Acreage, Percentage Distribution by Varieties, and Expected Trend United States 1960						
Standard Cr.	1,513.0	1,572.5	45.0	1.1	12	11
Nordan Cr.	183.0	510.0	14.6	1.1	8	8
Western	304.0	355.4	10.2	1.0	7	6
Fairway Cr.	159.0	259.0	7.4	1.1	6	5
Intermediate	137.0	207.7	5.9	1.0	8	8
Greenar	160.0	202.3	5.8	1.1	6	6
Slender	30.0	125.0	3.6	1.0	1	1
Tall (98526)	91.0	109.8	3.1	1.1	11	10
Pubescent (Stiffhair)	63.0	68.1	1.9	1.1	7	7
Whitmar	33.0	26.5	*	1.1	4	4
Amur	16.0	21.2	*	1.1	4	3
Nebraska	15.0	15.0	*	1.0	2	2
Topar	13.0	13.5	*	1.0	3	3
Siberian	44.0	6.6	*	1.0	5	5
Sodar		3.1	*	1.1	3	3
Ree		0.2	*	1.0		
Total	2,761.0	3,495.9	100			

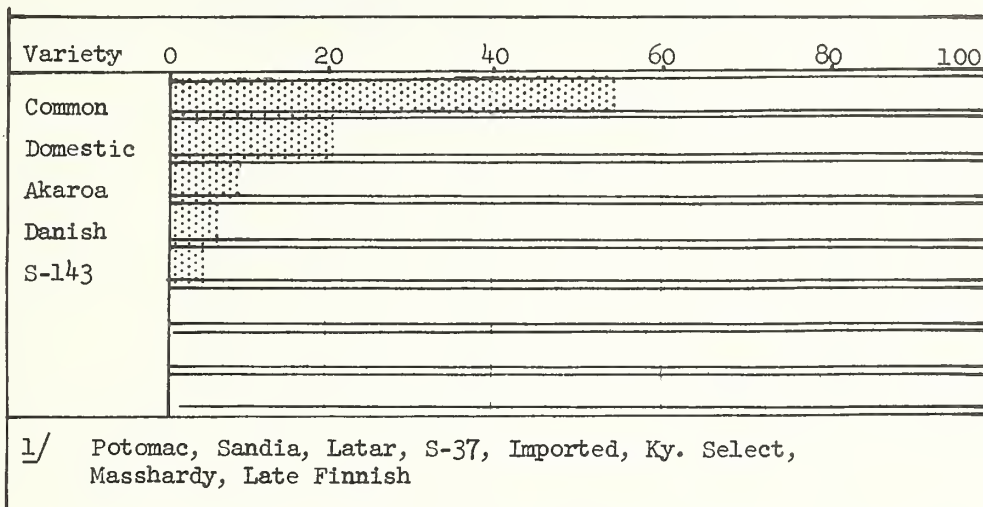
^{1/} Average computed by number of years reported

* Less than 1 percent of total

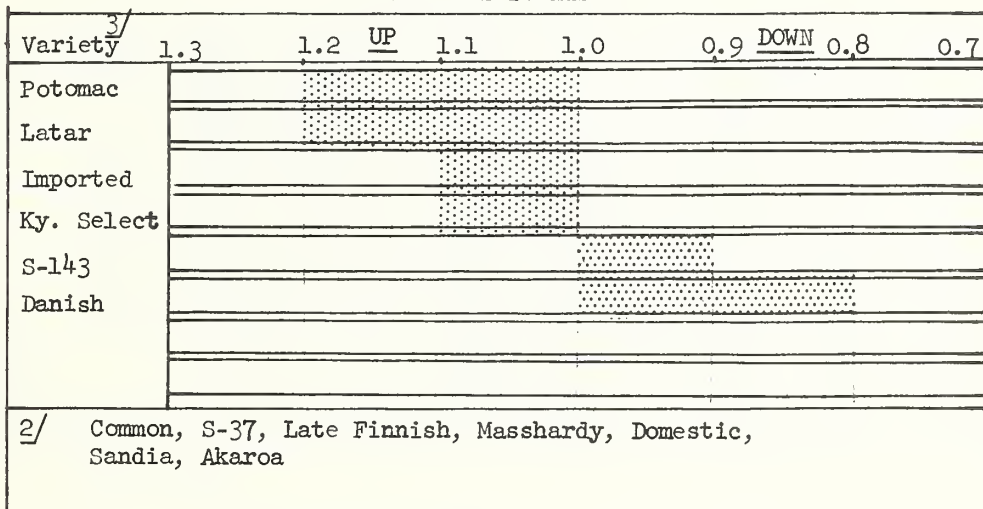
TRENDS IN FORAGE CROPS VARIETIES

Orchardgrass

Percent of National Acreage by Varieties



National Trends



Percent of National Acreage by Regions

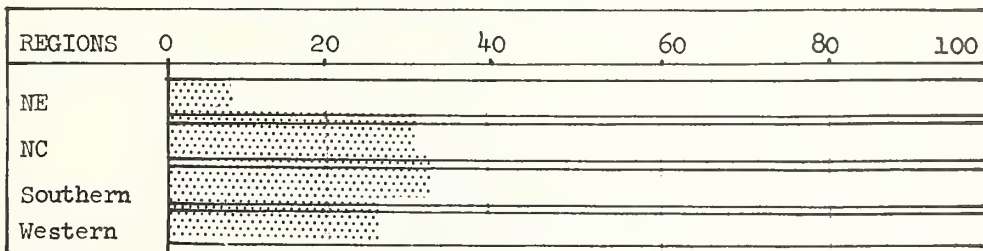


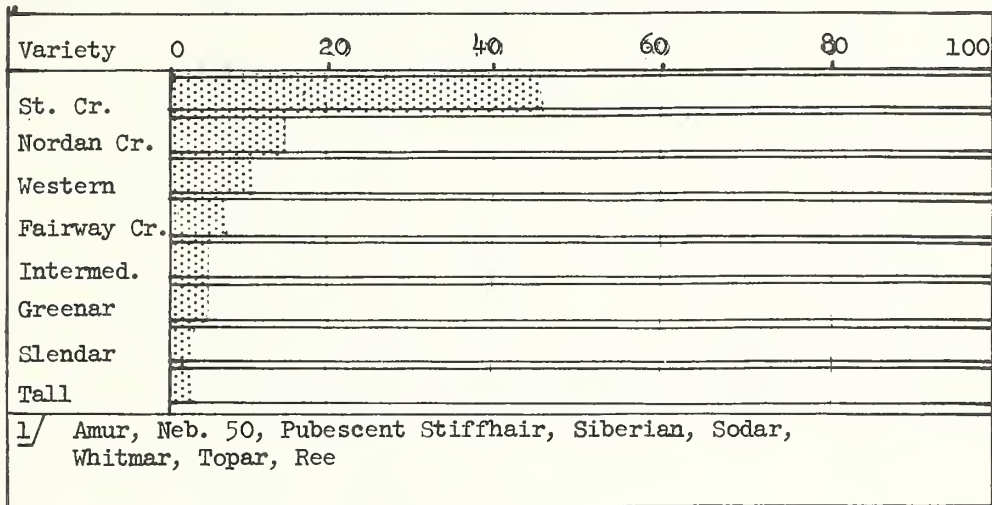
Table 25. Wheatgrass: Acreage by Varieties and States, North Eastern, North Central Southern and Western Regions 1960

VARIETY	North Eastern Region:		Me.	Md.	Mass.	N. H.	N. J.	N. Y.	Pa.	R. I.	Vt.	W. Va.	Total for Region
	Conn.	Del.											
	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres
						N O	N E						
	North Central Region:		Iowa	Kans.	Mich.	Minn.	Mo.	Nebr.	N.Dak.	Ohio	S.Dak.	Wis.	
	Ill.	Ind.											
Nordan Cr.									460.0		1.0		461.0
Standard Cr.									300.0		140.0		440.0
Western								200.0	17.0				217.0
Slender									125.0				125.0
Fairway Cr.									4.0		110.0		114.0
Tall (98526)								5.0	20.0		0.3		25.3
Intermediate								5.0	7.0		4.0		11.0
Nebraska 50													5.0
Pubescent Stiffh.									1.0		0.1		1.1
Amur											0.2		0.2
Greenar								0.2			0.2		0.2
Ree											0.2		0.2
Total								210.2	934.0		256.0		1,400.2
	Southern Region:		Ga.	Ky.	La.	Miss.	N.C.	Okla.	S.C.	Tenn.	Tex.	Va.	
	Ala.	Ark.											
Western											60.0		60.0
	Western Region:		Colo.	Idaho	Mont.	Nev.	N.Mex.	Ore.	Utah	Wash.	Wyo.	Alaska	
	Ariz.	Calif.											
Standard Cr.	1.0	60.0	100.0	25.0	75.0	7.5	15.0	200.0	624.0	25.0			1,132.5
Greenar		75.0		10.0		0.3		1.0	0.8	115.0			202.1
Intermediate	0.2	75.0	50.0			0.5		20.0	51.0				196.7
Fairway Cr.			10.0					15.0	115.0	5.0			145.0
Tall	0.5	5.0	25.0	2.0		3.0		5.0	29.0	15.0			84.5
Western	0.4		75.0					2.0	1.0				78.4
Pubescent Stiffh.		25.0	5.0	7.0				15.0	15.0				67.0
Nordan Cr.			5.0	4.0	25.0			6.0	1.0	8.0			49.0
Whitmar				1.0				5.0	0.5	20.0			26.5
Amur			20.0						0.8				20.8
Topar						0.5		1.0		12.0			13.5
Nebraska 50			10.0										10.0
Siberian			1.0	2.0		1.0		2.0	0.6				6.6
Sodar				0.1						3.0			3.1
Total	2.1	240.0	301.0	51.1	100.0	12.8	15.0	272.0	838.7	203.0			2,035.7

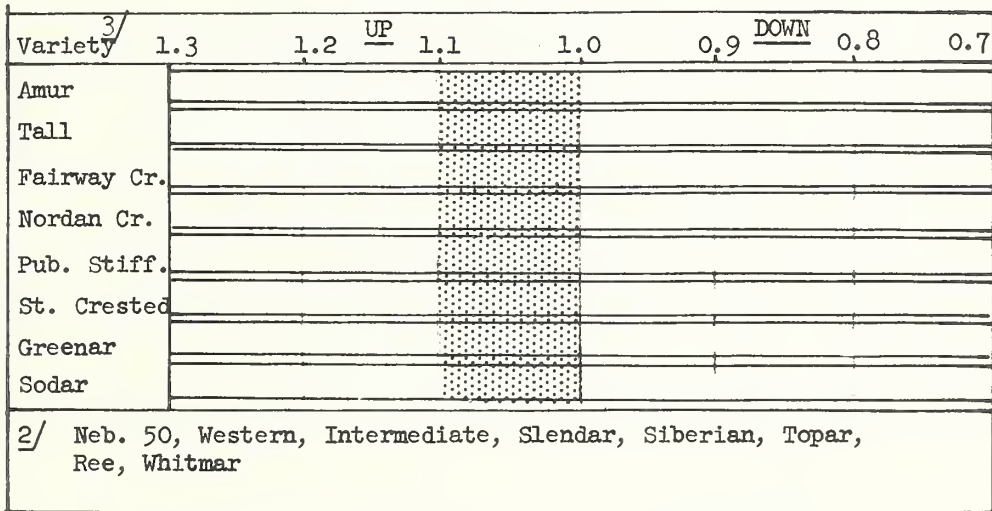
TRENDS IN FORAGE CROPS VARIETIES

Wheatgrass

Percent of National Acreage by Varieties



National Trends



Percent of National Acreage by Regions

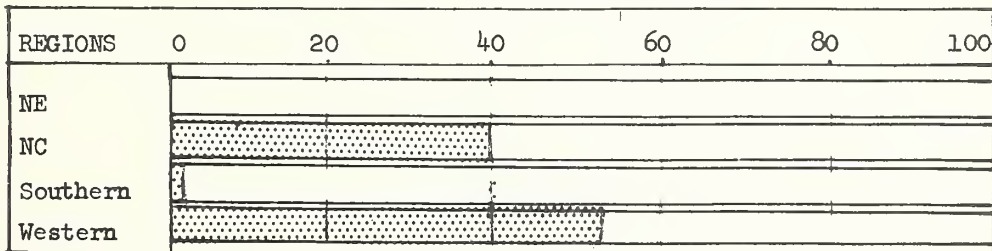


Table 28. Ryegrass: Acreage by Varieties and States, North Eastern, North Central Southern and Western Regions 1960

VARIETY	North Eastern Region:		Me.	Md.	Mass.	N. H.	N. J.	N. Y.	Pa.	R. I.	Vt.	W. Va.	Total for Region
	Conn.	Del.											
	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres
Domestic	1.6	30.0		2.0	1.0	0.5			10.0				45.1
Italian	2.4			6.0	1.0		2.0			0.1			8.0
Perennial				1.0									4.5
Total	4.0	30.0		9.0	2.0	0.5	2.0		10.0	0.1			57.6
<u>North Central Region:</u>													
	Ill.	Ind.	Iowa	Kans.	Mich.	Minn.	Mo.	Nebr.	N.Dak.	Ohio	S.Dak.	Wis.	
Italian					7.0					30.0			30.0
Perennial										10.0			10.0
Domestic					7.0								7.0
Total										40.0			47.0
<u>Southern Region:</u>													
	Ala.	Ark.	Ga.	Ky.	La.	Miss.	N.C.	Okla.	S.C.	Tenn.	Tex.	Va.	
Italian	175.0	50.0	130.0	5.0		250.0	15.0		125.0	20.0	10.0	50.0	830.0
Domestic		45.0			149.0							50.0	244.0
Gulf					0.5								50.5
Perennial		50.0	10.0							20.0	50.0		37.0
Common										10.0			10.0
Total	175.0	100.0	140.0	5.0	149.5	250.0	15.0		125.0	40.0	72.0	100.0	1,171.5
<u>Western Region:</u>													
	Ariz.	Calif.	Colo.	Idaho	Mont.	Nev.	N.Mex.	Ore.	Utah	Wash.	Wyo.	Hawaii	
Perennial		700.0	1.0			1.0		50.0	0.2			0.2	752.4
Domestic		150.0				2.0		115.0					267.0
All Others						2.0						74.8	74.8
Italian													2.0
Perennial S-23								1.0					1.0
New Zealand								1.0					1.0
Total		850.0	1.0			5.0		167.0	0.2			75.0	1,098.2

Table 29.

Ryegrass: Acreage, Percentaga Distribution by Variatiee, and Expected Trend by Regione 1960

Variety	NORTHEASTERN				NORTH CENTRAL				SOUTHERN				WESTERN			
	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend
	1957-59 Average $\frac{1}{2}$	1960			1957-59 Average $\frac{1}{2}$	1960			1957-59 Average $\frac{1}{2}$	1960			1957-59 Average $\frac{1}{2}$	1960		
	1,000 acres				1,000 acres				1,000 acres				1,000 acres			
Domestic Perennial		45.1	78.1	1.0		7.0	14.9	1.0		244.0	20.8	0.9		267.0	24.3	1.0
Italian		4.5	7.9	1.0		10.0	21.3	1.0		37.0	3.2	1.0		752.4	68.5	1.0
Gulf Common Perennial S-23		8.0	14.0	1.0		30.0	63.8	1.1		830.0	70.8	1.1		2.0	*	1.0
New Zealand										50.5	4.3	1.3				
All Others										10.0	*	1.0		1.0	*	1.0
Total		57.6	100			47.0	100			1,171.5	100			1,098.2	100	
Table 30. Millet: Acreage, Percentage Distribution by Varieties, and Expected Trend by Regions 1960																
Hungarian	3.0	4.9	14.8	1.0												
Japanese	15.0	20.4	61.6	1.0												
Gahi I		0.5	1.5	1.0						17.0	72.5	7.3	1.2	17.0	3.8	3.5
German																
Foxtail		1.0	3.0	1.0	8.0	5.5	4.2	1.0	59.0	110.5	11.1	0.9	31.0	13.5	12.3	1.0
Pearl	5.0	6.3	19.0	1.0					286.0	212.7	21.4	0.9	235.0			
Early																
Fortune					17.0	18.0	13.6	1.0								
Siberian					31.0	43.0	32.6	1.0						10.0	9.1	0.8
White Proso					60.0	61.0	46.2	1.0						20.0	18.3	1.0
Starr						1.0	*	1.1	396.0	377.8	38.0	1.1	194.0	1.0	*	0.8
Red Turghai						2.0	1.5	1.3						20.0	18.3	1.0
Common																
Foxtail					8.0	1.0	*	1.0	3.0	1.5	*	1.0	4.0			
Manta						0.2	*	1.1								
Canadian																
Crown						0.3	*	1.0								
Browntop									136.0	169.5	17.0	1.1	162.0			
Cattail									22.0	46.0	4.6	1.0	34.0			
Common					18.0				1.0	1.5	*	0.9	34.0	20.0	18.3	1.0
Pearl No. 7									3.0	3.0	*	1.2	4.0	1.0	*	1.0
White Wonder													20.0	20.0	18.3	1.0
Total	23.0	33.1	100		142.0	132.0	100		923.0	995.0	100		743.0	109.3	100	

 $\frac{1}{2}$ Average computed by number of years reported

* Less than 1% total acreage

Table 30.

Ryegrass: Acreage, Percentage Distribution by Varieties, and Expected Trend United States 1960

Variety	A C R E A G E		Total Acreage	Expected Trend	S T A T E S	
	1957-59 $\frac{1}{2}$	1960			Reporting	Recommending
	Average		Percent		No.	No.
	1,000 Acres	1,000 Acres				
Italian		870.0	36.7	1.1	13	12
Perennial		803.9	33.9	1.0	13	9
Domestic		562.6	23.7	1.0	13	13
All others		74.8	3.1	1.0		
Gulf		50.5	2.1	1.3	2	2
Common		10.0	*	1.0	1	1
Perennial S-23		1.0	*	1.0	1	1
New Zealand		1.0	*	1.1	1	1
Total		2,373.8	100			
Table 33.	Millet: Acreage, Percentage Distribution by Varieties, and Expected Trend United States 1960					
Starr	590.0	379.8	29.9	1.0	12	10
Pearl	291.0	219.0	17.3	0.9	12	9
Browntop	136.0	169.5	13.4	1.1	6	3
German Foxtail	98.0	130.5	10.3	1.0	12	8
White Proso	68.0	81.0	6.4	1.0	4	3
Gahi 1	34.0	76.8	6.1	1.2	12	11
Siberian	31.0	53.0	4.2	0.9	4	2
Cattail	22.0	46.0	3.6	1.0	4	2
Red Turghai		22.0	1.7	1.0	2	2
Common	35.0	21.5	1.7	1.0	3	0
Japanese	15.0	20.4	1.6	1.0	6	5
White Wonder	20.0	20.0	1.6	1.0	1	1
Early Fortune	17.0	18.0	1.4	1.0	3	2
Hungarian	3.0	4.9	*	1.0	4	4
Pearl No. 7	7.0	4.0	*	1.1	1	1
Common Foxtail	15.0	2.5	*	1.0	3	0
Canadian Crown		0.3	*	1.0	1	1
Manta		0.2	*	1.1	1	1
Total	1,382.0	1,269.4	100			

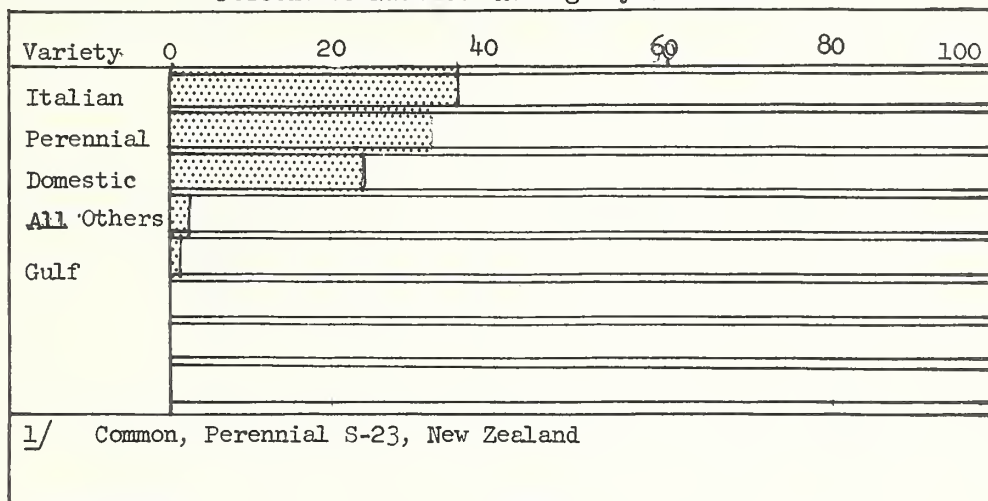
 $\frac{1}{2}$ Average computed by number of years reported

* Less than 1 percent of total

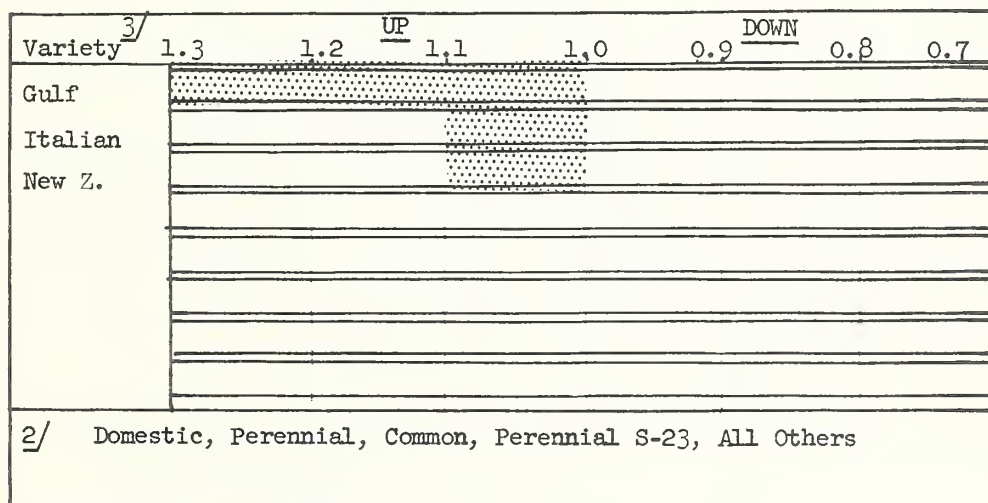
TRENDS IN FORAGE CROPS VARIETIES

Ryegrass

Percent of National Acreage by Varieties



National Trends



Percent of National Acreage by Regions

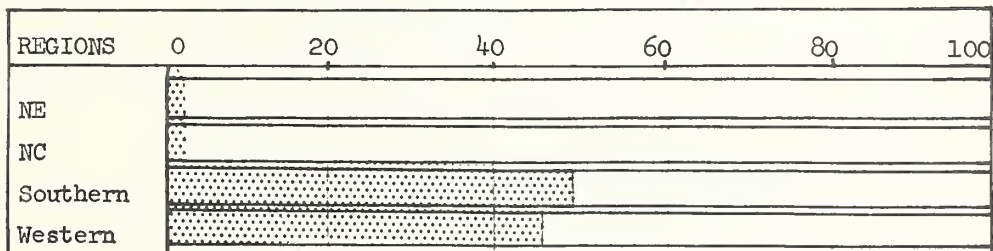


Table 31.

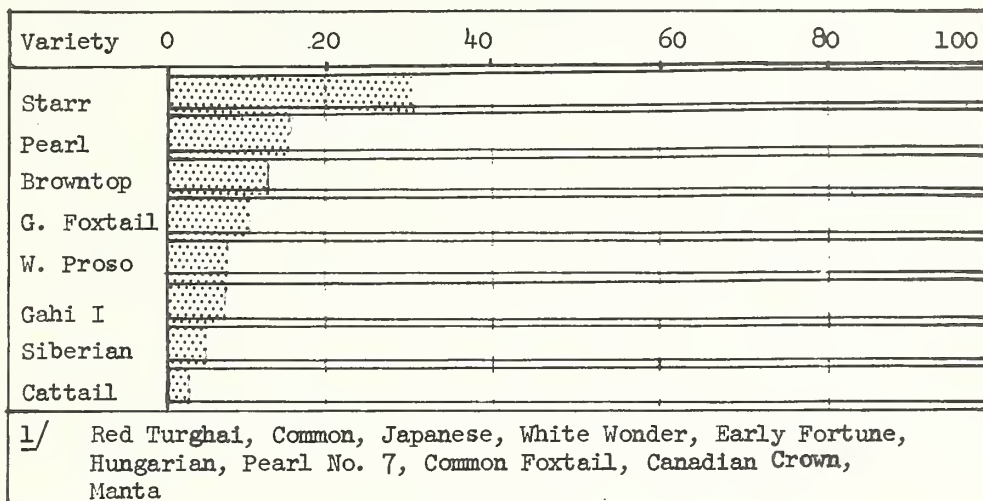
Millet: Acreage by Varieties and States, North Eastern, North Central Southern and Western Regions 1960

VARIETY	North Eastern Region:		Me.	Md.	Mass.	N. H.	N. J.	N. Y.	Pa.	R. I.	Vt.	W. Va.	Total for Region
	Conn.	Del.											
	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres
Japanese	3.2		3.0		2.0	2.0			10.0	0.2			20.4
Pearl	0.3		1.0	6.0	0.1		0.2						6.3
Hungarian		0.5		0.5	0.6	3.0							4.9
German Foxtail				0.5									1.0
Cahi I				0.5									0.5
Total	3.5	0.5	4.0	7.0	2.7	5.0	0.2		10.0	0.2			33.1
<u>North Central Region:</u>													
	Ill.	Ind.	Iowa	Kans.	Mich.	Minn.	Mo.	Nebr.	N.Dak.	Ohio	S.Dak.	Wis.	
White Proso									60.0		1.0		61.0
Siberian									40.0		3.0		43.0
Early Fortune									17.0		1.0		18.0
German Foxtail				5.0							0.5		5.5
Red Turghai									2.0				2.0
Common Foxtail											1.0		1.0
Starr				1.0									1.0
Canadian Crown											0.3		0.3
Manta											0.2		0.2
Total				6.0					119.0		7.0		132.0
<u>Southern Region:</u>													
	Ala.	Ark.	Ga.	Ky.	La.	Miss.	N.C.	Okla.	S.C.	Tenn.	Tex.	Va.	
Starr	55.0	10.0	98.0	1.8	40.0	60.0	18.0		60.0	25.0	10.0		377.8
Pearl	10.0	7.0		1.2	29.0	30.0	3.0		100.0		25.0	7.5	212.7
Browntop	10.0	0.5	94.0		10.0	5.0			50.0				169.5
German Foxtail		40.0		0.5			5.0			50.0	15.0		110.5
Gahi I	5.0		25.0		1.0	5.0	3.0		15.0	10.0	1.0	7.5	72.5
Cattail		6.0			20.0	15.0				5.0			46.0
Pearl No. 7											3.0		3.0
Common Foxtail				0.5							1.0		1.5
Common				1.5									1.5
Total	80.0	63.5	217.0	5.5	100.0	115.0	29.0		225.0	90.0	55.0	15.0	995.0
<u>Western Region:</u>													
	Ariz.	Calif.	Colo.	Idaho	Mont.	Nev.	N.Mex.	Ore.	Utah	Wash.	Wyo.	Alaska	
Common			20.0										20.0
White Proso			20.0										20.0
White Wonder			20.0										20.0
Turghai			20.0										20.0
German Foxtail	0.5		10.0				3.0						13.5
Siberian			10.0										10.0
Cahi I	0.8						3.0						3.8
Pearl No. 7							1.0						1.0
Starr							1.0						1.0
Total	1.3		100.0				8.0						109.3

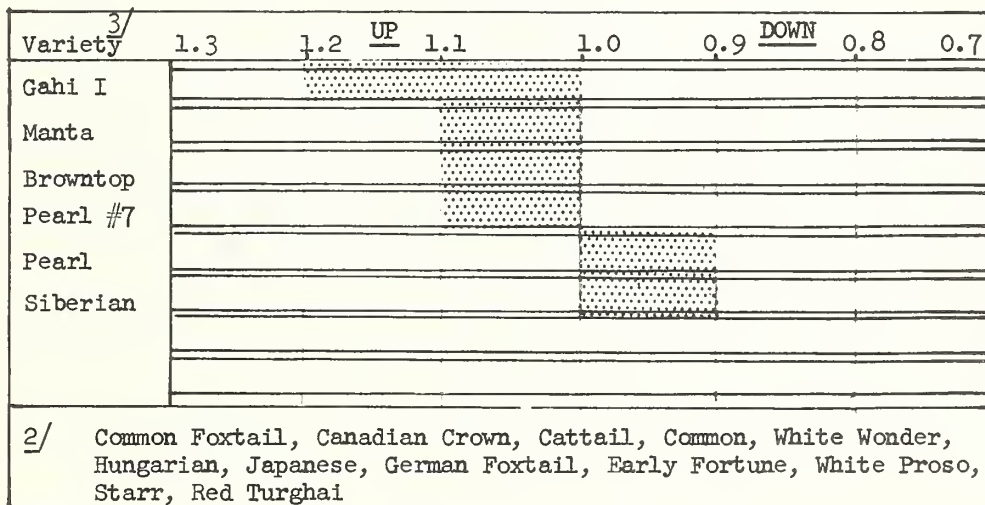
TRENDS IN FORAGE CROPS VARIETIES

Millet

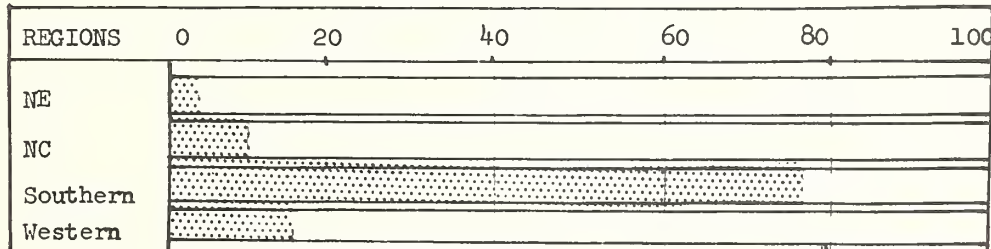
Percent of National Acreage by Varieties



National Trends



Percent of National Acreage by Regions



1/ Recommendations and trends reported without acreage

Tabla 35. Medium Red Clover: Acreage, Percentage Distribution by Varieties, and Expected Trend by Regions 1960

Variety	NORTHEASTERN				NORTH CENTRAL				SOUTHERN				WESTERN			
	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend	Acreage		Percent of Total Acreage	Expected Trend
	1957-59 Average 1/	1960			1957-59 Average 1/	1960			1957-59 Average 1/	1960			1957-59 Average 1/	1960		
	1,000 acres				1,000 acres				1,000 acres				1,000 acres			
Common	1,701.0	1,697.4	60.3	0.8	6,959.0	6,119.5	74.8	0.9	123.0	190.0	16.3	1.0	335.0	447.0	49.4	1.0
Pennscoot	443.0	685.5	24.4	1.2	271.0	180.0	2.2	1.0	4.0	1.0	*		57.0	94.5	10.4	1.0
Kenland	301.0	216.9	7.7	1.0	1,225.0	1,020.0	12.5	1.1	511.0	724.8	62.3	1.1	315.0	352.0	38.9	1.1
Mammoth		92.0	3.2	1.0	200.0	525.0	6.4	1.0								
Va. Adapted	50.0				199.0				207.0	215.0	18.5	1.0				
Cheapeake	8.0	29.2	1.0	1.2	5.0				1.0	25.0	2.1	1.2		0.7	*	1.1
Dollard	8.0	13.2	*	1.2	113.0	296.0	3.6	1.1					4.0	6.5	*	1.2
Midland	5.0				4.0				5.0				3.0			
La. Strain 1					8.0				10.0	1.1	*	1.1				
Nolin's					3.0				4.0							
Medium Red										1.5	*	1.0				
Port Gibson										2.5	*	1.0				
Alaskaland														0.1	*	1.0
All Others		77.0	2.7	1.1		36.0	*	1.0						3.9	*	1.0
Total		2,811.2	100			8,176.5	100			1,163.0	100			904.7	100	
Table 38. Crimson Clover: Acreage, Percentage Distribution by Varieties, and Expected Trend by Regions 1960																
Reseeding	3.0				3.0				370.0	371.0	19.6	1.1	6.0			
Dixie	4.0				4.0				692.0	609.0	32.1	1.2	16.0	23.0	18.4	1.1
Common		29.0	99.0	1.0		1.0	100	1.0	815.0	297.0	15.7	1.0	97.0	92.0	73.6	1.1
Autauga									133.0	143.5	7.6	1.1				
Thornton									32.0	0.5	*	1.1				
Talladega									45.0	49.0	2.6	1.0				
Auburn									19.0	20.2	1.1	1.0				
Chief									2.0	0.9	*	1.1				
All Others		0.5	*	1.0						401.0	21.2	1.0		10.0	8.0	1.0
Allen										0.2	*	1.1				
Hardy										0.2	*	1.1				
Total		29.5	100			1.0	100			1,892.5	100			125.0	100	

1/ Average computed by number of years reported

* Less than 1% of total acreage

Table 36. Med. Red Clover: Acreage, Percentage Distribution by Varieties, and Expected Trend United States 1960

Variety	A C R E A G E		Total Acreage	Expected Trend	S T A T E S	
	1957-59 <u>1</u> / Average	1960			Reporting	Recommending
	No.	No.				
	1,000 Acres	1,000 Acres				
Common	9,118.0	8,453.0	64.7	0.9	32	16
Kenland	2,352.0	2,313.0	17.7	1.1	36	30
Penscott	775.0	960.0	7.4	1.1	20	20
Mammoth	407.0	617.0	4.7	1.0	8	4
Dollard	125.0	316.0	2.4	1.2		
Va. Adapted	456.0	215.0	1.6	1.0	1	1
All others		117.0	*	1.0		
Chesapeake	14.0	55.0	*	1.2	9	7
Port Gibbon		2.0	*	1.0	1	1
La. Strain 1	18.0	2.0	*	1.1	2	2
Total	13,265.0	13,052.0	100			

Table 39. Crimson Clover: Acreage, Percentage Distribution by Varieties, and Expected Trend United States 1960

Dixie	716.0	633.0	39.0	1.2	8	7
Common	912.0	418.0	25.5	1.0	15	13
Reseeding	382.0	371.0	22.6	1.1	4	4
Autauga	133.0	143.0	8.7	1.1	4	3
Talladega	45.0	49.0	3.0	1.0	4	4
Auburn	19.0	20.0	1.2	1.0	4	3
Thornton	32.0	1.0	*	1.1	1	1
Chief	2.0	1.0	*	1.1	3	3
Allen		1.0	*	1.1	1	1
Hardy		1.0	*	1.1	1	1
Total	2,241.0	1,638.0	100			

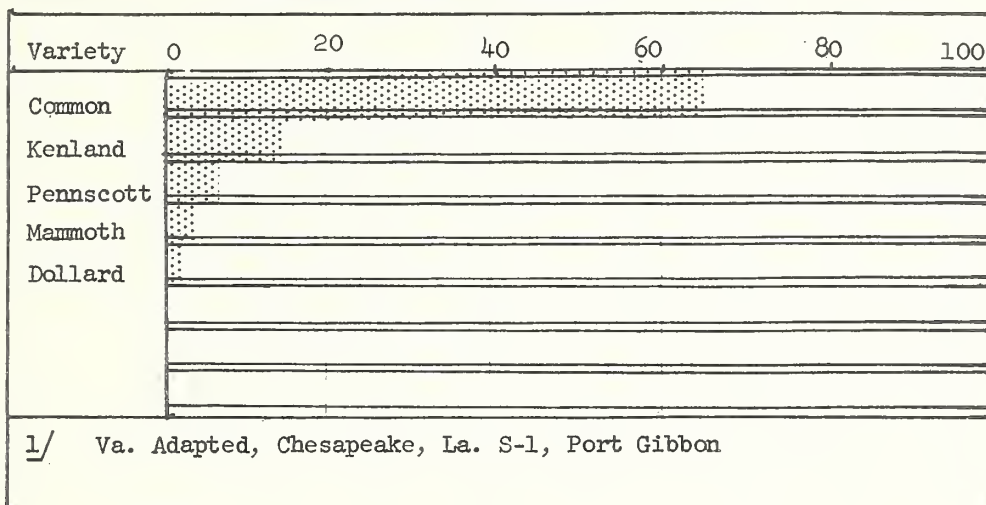
1/ Average computed by number of years reported

* Less than 1 percent of total

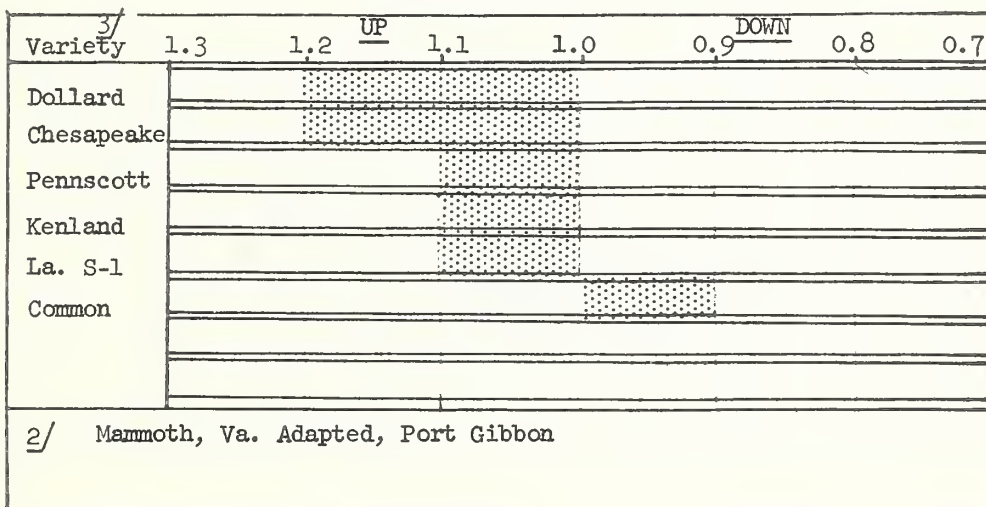
TRENDS IN FORAGE CROPS VARIETIES

Medium Red Clover

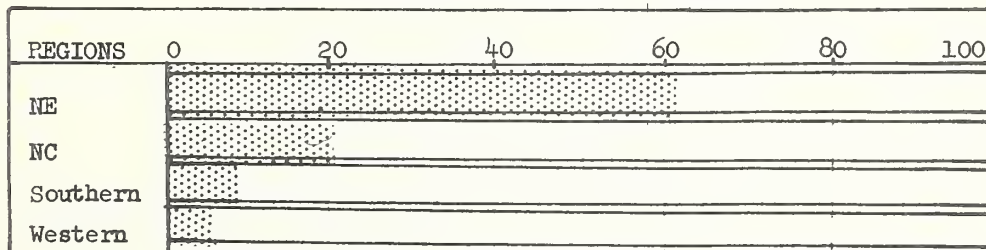
Percent of National Acreage by Varieties



National Trends



Percent of National Acreage by Regions



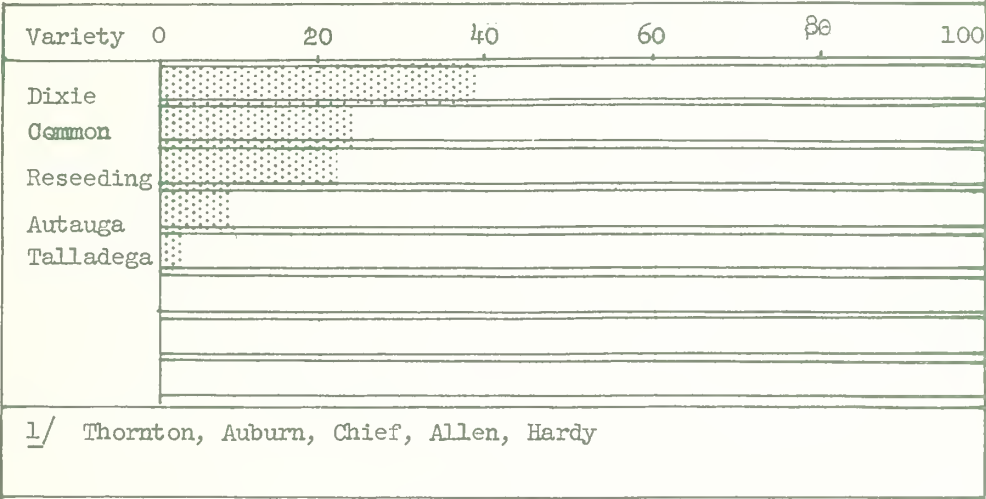
VARIETY	North Eastern Region:		Me.	Md.	Maes.	N. H.	N. J.	N. Y.	Pa.	R. I.	Vt. 1/	W. Va.	Total for Region
	Conn.	Del.											
	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres	1000 acres
Common		8.0	2.0	13.0			1.0					5.0	29.0
All Others				0.5									0.5
Total		8.0	2.0	13.5			1.0					5.0	29.5
	North Central Region:												
	Ill.	Ind.	Iowa	Kane.	Mich.	Minn.	Mo.	Nebr.	N.Dak.	Ohio	S.Dak.	Wis.	
Dixie	1.0												1.0
	Southern Region:												
	Ala.	Ark.	Ga.	Ky.	La.	Miss.	N.C.	Okla.	S.C.	Tenn.	Tex.	Va.	
Dixie	5.0	90.0	500.0		2.0		5.0				7.0		609.0
Commercial													400.0
Reseeding			200.0		6.0	40.0			125.0			400.0	371.0
Common	50.0	30.0	100.0	3.0	8.0	6.0	50.0			50.0			297.0
Autauga	125.0		0.5		1.0						17.0		143.5
Talladega	35.0				1.0	5.0					8.0		49.0
Auburn	18.0		0.5		1.0						0.7		20.2
All Others				1.0									1.0
Chief		0.2	0.5			0.2							0.9
Thornton			0.5										0.5
Allen			0.2										0.2
Hardy			0.2										0.2
Total	233.0	120.2	802.4	4.0	19.0	51.2	55.0		125.0	50.0	32.7	400.0	1,892.5
	Western Region:												
	Ariz.	Calif.	Colo.	Idaho	Mont.	Nev.	N.Mex.	Ore.	Utah	Wash.	Wyo.	Alaska	
Common		90.0						2.0					92.0
Dixie								23.0					23.0
All Others		10.0											10.0
Total		100.0						25.0					125.0

1/ Recommendations and trends reported without acreage

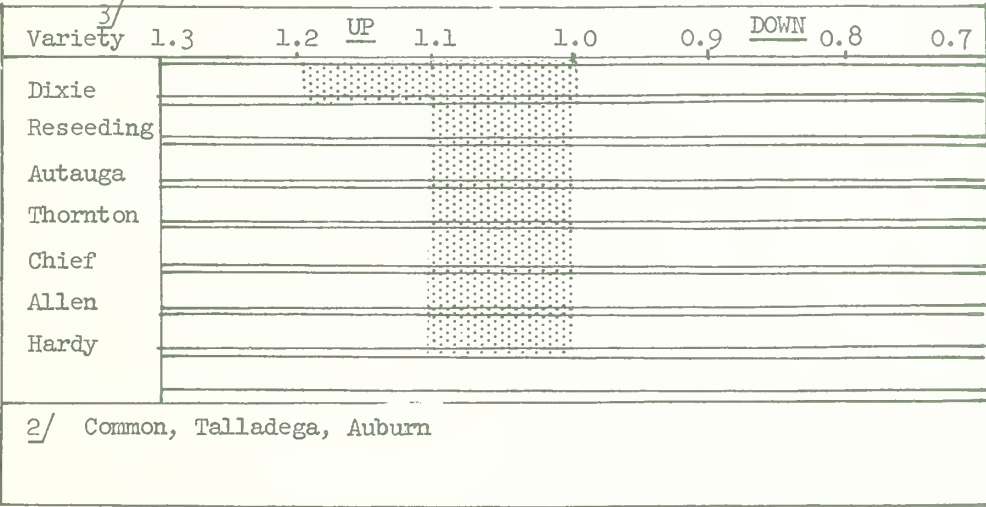
TRENDS IN FORAGE CROPS VARIETIES

Crimson Clover

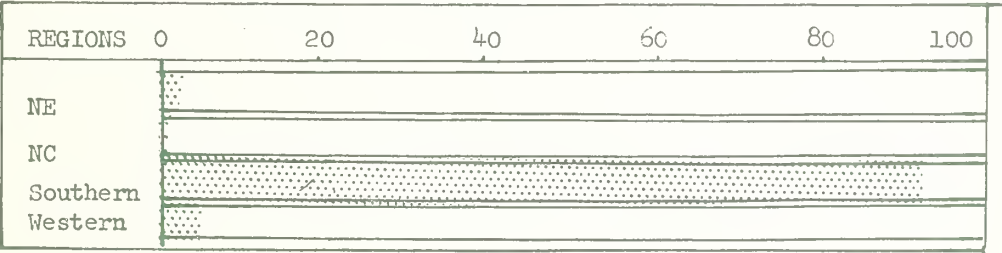
Percent of National Acreage by Varieties



National Trends



Percent of National Acreage by Regions



$$\begin{array}{r} 135.00 \\ 9.00 \\ \hline 144.00 \end{array}$$